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Our ref: S02/01227

Mr David Hojem
Manager Waste Services
Shoalhaven City Council
PO Box 42
NOWRA NSW 2541

Dear Mr Hojem

Shoalhaven Resource Recovery Park, West Nowra (MP 10_0029) Director-General's Requirements

I refer to your application for the Shoalhaven Resource Recovery Park Project.

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 determined that an approval is required under the EPBC Act, please contact the Department 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 your Environmental Assessment 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);
- consultation and public exhibition arrangements; and
- number of copies (hard-copy or CD-ROM) of the Environmental Assessment that will be required for exhibition purposes.

Once it receives the Environmental Assessment, the Department will review it in consultation with the relevant agencies to determine if it adequately addresses the Director-General's requirements, and may require you to 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 Environmental Assessment to be hosted on a suitable website during the exhibition period.

If you have any enquiries about these requirements, please contact Christine Chapman (9228 6537).

Yours sincerely

 27/4/10

David Kitto
Director
Mining & Industry Projects
As delegate for the Director-General

Director-General's Requirements

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

Application Number	10_0029
Project	<p>The Shoalhaven Resource Recovery Park Project, which includes:</p> <ul style="list-style-type: none"> • a composting facility to process approximately 26,000 t/annum of domestic and commercial waste; • a materials recycling facility for sorting approximately 30,000 t/annum of domestic and commercial dry (non-putrescible) solid waste; • sorting and recovery facility to process approximately 15,000 t/annum of construction and demolition waste; • stockpile areas for sorting approximately 10,000 t/annum of previously sorted recyclable materials, such as greenwaste, scrap steel and concrete.
Location	<ul style="list-style-type: none"> • Flatrock Road, West Nowra in the City of Shoalhaven LGA • 3.5 ha of the north-western corner of Lot 1 DP 1104402
Proponent	Shoalhaven City Council
Date of Issue	April 2010
General Requirements	<p>The Environmental Assessment (EA) 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 on the site, including copies of any statutory approvals that regulate the ongoing waste operations on site; • a detailed description of the project including: <ul style="list-style-type: none"> - the 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</i> and <i>Composting and Related Organics Processing Facilities</i>; - the alternatives considered, including detailed justification for the preferred alternative (ie. the project); - plans of the proposed building works, both on-site (such as proposed stormwater and leachate systems) and off-site (such as any required road upgrade works); - proposed rehabilitation strategy for the sites; and - likely staging of the project. • a comprehensive risk assessment of the potential environmental impacts of the project, identifying the key issues for further assessment for each of the sites that form part of the project; • 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 policies, guidelines, plans and statutory provisions (see below); - a description of the measures that would be implemented to avoid,

	<p>minimise, mitigate, and/or offset the potential impacts of the project, including detailed contingency plans for managing any potential significant risks to the environment;</p> <ul style="list-style-type: none"> • a statement of commitments; • a conclusion justifying the project, taking into consideration: the suitability of the sites; the economic, social and environmental impacts of the project as a whole; and whether it is consistent with the objects of the <i>Environmental Planning and Assessment Act 1979</i>, and in particular the principles of ecologically sustainable development; • a signed statement from the author of the environmental assessment certifying that the information contained in the report is neither false nor misleading.
<p>Key Issues</p>	<ul style="list-style-type: none"> • Waste – including: <ul style="list-style-type: none"> - an assessment of the type, class and quantity of the likely waste streams that would be handled/stored/dispatched of for the project; - a description of how this waste would be stored and handled on site, and transported to and from the site; - details of the the role the project would play in the region, particularly in the implementation of the relevant waste strategy (or strategies); • Biodiversity – including: <ul style="list-style-type: none"> - an assessment of the potential impacts of the project on threatened species and endangered ecological communities; and - details of the proposed offset strategy and measures to enhance the biodiversity conservation value of the site; • Soil and Water – including: <ul style="list-style-type: none"> - detailed modelling of the potential surface and groundwater impacts of the project; - a site water balance for the project, including a description of the measures that would be implemented to minimise water use on site; - a detailed description of the proposed water and leachate management system on site; and - a detailed assessment of the project on: <ul style="list-style-type: none"> ○ the quantity and quality of regional water supplies; ○ downstream aquatic habitats including Cabbage Tree Creek and ○ the environment, paying particular attention to any relevant riparian corridors. • Odour – including a quantitative assessment of the potential odour impacts of the project; • Air – including a quantitative assessment of the potential air quality impacts of the project; • Greenhouse Gas – including: <ul style="list-style-type: none"> - a quantitative assessment of the scope 1, 2 and 3 greenhouse gas emissions of the project; - 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; • Aboriginal Heritage; • Noise – including quantitative assessment of the potential construction, operational and traffic noise impacts of the project; • Transport - including: <ul style="list-style-type: none"> - a traffic impact study; - accurate predictions of the traffic volumes likely to be generated during construction and operation;

	<ul style="list-style-type: none"> - an assessment of the predicted impacts of this traffic on the safety and capacity of the surrounding road network specifically the intersection of Yalwal Road and Albatross 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;
	<ul style="list-style-type: none"> - details of the proposed access and parking arrangements on site.
Other Issues	<ul style="list-style-type: none"> • Hazards – including fire risk and management; • Visual – including an assessment of the potential visual impacts of the project on the amenity of the surrounding area; • 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.
Guidelines	The Environmental Assessment must 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.
Consultation	<p>During the preparation of the Environmental Assessment, you should consult with the relevant local, State and Commonwealth Government authorities, service providers, community groups and affected landowners.</p> <p>In particular you must consult with:</p> <ul style="list-style-type: none"> • Department of Environment, Climate Change and Water; • Department of Industries and Investment; • NSW Office of Water; and • Roads and Traffic Authority. <p>The consultation process and the issues raised must be described in the Environmental Assessment.</p>
Deemed Refusal Period	60 days

Guidelines, Policies and Plans

Aspect	Policy /Methodology
Risk	AS/NZS 4360:2004 Risk Management (Standards Australia) HB 203: 203:2006 Environmental Risk Management – Principles & Process (Standards Australia)
Waste	Waste Avoidance and Resource Recovery Strategy 2007 (DECC) Waste Classification Guidelines (DECC) Environmental Guidelines: Solid Waste Landfills 1996 (DECC) Environmental Guidelines: Composting and Related Organics Processing Facilities (2004) Composts, soil conditioners and mulches (Standards Australia, AS 4454) State Environmental Planning Policy (Infrastructure) 2007
Biodiversity	State Environmental Planning Policy No 44– Koala Habitat Protection (SEPP 44) Draft Guidelines for Threatened Species Assessment under Part 3A of the <i>Environmental Planning and Assessment Act 1979</i> (DEC) Policy & Guidelines - Aquatic Habitat Management and Fish Conservation (NSW Fisheries) The NSW State Groundwater Dependent Ecosystem Policy (DLWC)
Soil and Waters	
Soil	Acid Sulfate Soil Manual (ASSMAC) Australian and New Zealand Guidelines for the Assessment and Management of Contaminated Sites (ANZECC & NHMRC) National Environment Protection (Assessment of Site Contamination) Measure 1999 (NEPC) State Environmental Planning Policy No. 55 – Remediation of Land
Surface Water	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) National Water Quality Management Strategy - Guidelines For Water Recycling: Managing Health And Environmental Risks (Phase1) (EPHC, NRMCC & AHMC) Using the ANZECC Guideline and Water Quality Objectives in NSW (DEC) National Water Quality Management Strategy - Guidelines For Water Recycling: Managing Health And Environmental Risks (Phase1) (EPHC, NRMCC & AHMC) Managing Urban Stormwater: Treatment Techniques (EPA) Managing Urban Stormwater: Source Control. Draft (EPA) Managing Urban Stormwater: Soils & Construction (Landcom) Approved Methods for the Sampling and Analysis of Water Pollutants in NSW (DEC) Floodplain Management Manual (DWE) Floodplain Risk Management Guideline: Practical Consideration of Climate

	Change (DECC)
	Technical Guidelines: Bunding & Spill Management (DECC)
	NSW State Groundwater Policy Framework Document (DLWC)
	NSW State Groundwater Quality Protection Policy (DLWC)
<i>Ground Water</i>	NSW State Groundwater Quantity Management Policy (DLWC) Draft
	Guidelines for the Assessment and Management of Groundwater Contamination (DECC) Draft
Odour	
	Technical Framework: Assessment and Management of Odour from Stationary Sources in NSW (DEC)
	Technical Notes: Assessment and Management of Odour from Stationary Sources in NSW (DEC)
Air Quality	
	Protection of the Environment Operations (Clean Air) Regulation 2002
	Approved Methods and Guidance for the Modelling and Assessment of Air Pollutants in NSW (DEC)
	Approved Methods for the Sampling and Analysis of Air Pollutants in NSW (DEC)
Greenhouse Gas	
	National Greenhouse Accounts (NGA) Factors 2008
	Guidelines for Energy Savings Action Plans (DEUS)
Aboriginal Heritage	
	Part 3A EP&A Act Guidelines for Aboriginal Cultural Heritage Impact Assessment and Community Consultation 2007 (DEC & DoP)
Noise	
	NSW Industrial Noise Policy (DECC)
	Environmental Criteria for Road Traffic Noise (NSW EPA)
	Environmental Noise Control Manual (DECC)
	Draft Construction Noise Guideline 2008 (DECC)
Transport	
	Guide to Traffic Generating Development (RTA)
	Road Design Guide (RTA)
Hazards	
	State Environmental Planning Policy No 33- Hazardous and Offensive Development (SEPP 33)
	Planning Advisory Paper No. 6 – Guidelines for Hazardous Analysis (DUAP)
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)