



Planning

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Our ref: 1015857

Mr Tony Farrell
Attn: Mr David Lovell
Director City Strategy
Lake Macquarie City Council
Box 1906
HRMC NSW 2310

Dear Mr Lovell

Additions to Awaba Waste Disposal Facility, Awaba (MP 10_0139) Director-General's Requirements

The Department has received your application for the proposed additions to the Awaba Waste Disposal Facility.

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

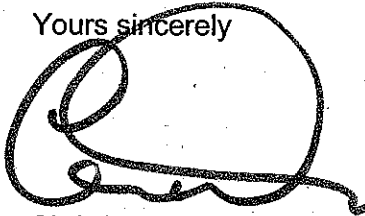
- applicable fee (see Division 1A, Part 15 of the Environmental Planning and Assessment Regulation 2000);
- consultation and public exhibition arrangements; and
- number of copies (hard-copy or CD-ROM) of the Environmental Assessment that will be required for exhibition purposes.

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 Felicity Greenway (9228 6338).

Yours sincerely

A handwritten signature in black ink, appearing to be 'Chris Wilson', written over a large, loopy circular flourish.

21.9.10

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	MP 10_0139
Project	The Awaba landfill extension project including: • Excavation of 184,000m³ soil to create two new landfill cells with capacity for 4,080,000 tonnes of putrescible waste; • Stockpiling of excavated soil ; • Removal of native vegetation; • An increase in maximum height for the entire landform on-site; • Surface, groundwater and leachate management systems; • Landfill gas monitoring and capture; • Green waste processing; and • Associated infrastructure.
Location	Lot 372 DP 723259, 367 Wilton Road Awaba
Proponent	Lake Macquarie City Council
Date of Issue	September 2010
General Requirements	The Environmental Assessment (EA) must include: • an executive summary; • a detailed description of the project including the: - waste strategy that underpins the development of the project; - 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> and <i>DECC's Guidelines for Solid Waste Landfills</i> - a review of the project against Clause 123 of the <i>State Environmental Planning Policy (Infrastructure) 2007</i>; - alternatives considered, including a justification for the proposal on economic, social and environmental grounds; - details of any proposed building works, including engineering and/or architectural plans; - various components and stages of the project; and - the likely inter-relationship between the proposed operations and the existing operations on site including details of existing approvals, management systems and details of past environmental performance. • consideration of whether the development is consistent with the lower Hunter Regional Strategy and locational principles included in the publication <i>EIS Guideline: Landfilling</i> (Department of Planning, 1996) • 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: - a description of the existing environment, using sufficient baseline data; - an assessment of the potential impacts of all stages of the project taking into consideration any relevant guidelines, policies, plans and statutory provisions; and - 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, 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.
Key Issues	• Waste Management – including details of the waste handling processes, the quantity and type of wastes received, classification and stockpiling, waste recovery methods (including volumes and types of wastes diverted) and monitoring programs. • Soil, Water and Leachate – including: – the proposed erosion and sediment controls during construction and operation; – the proposed stormwater management system, including the capacity of onsite detention systems, and measures to treat, reuse or dispose of water; – consideration of potential acid sulfate soils, salinity, soil contamination and flooding impacts of the proposal; – potential impacts on watercourses and groundwater; and – the proposed leachate management systems. • Flora and Fauna – including any threatened species, populations and ecological communities; and any native vegetation. • Air Quality and Odour – including: – a quantitative assessment of the potential air quality and odour impacts of the project including cumulative impacts – a demonstration that the proposal is able to comply with the <i>Protection of the Environment Operations (POEO) Act 1997</i> and the <i>POEO (Clean Air) Regulation (2002)</i> • Heritage – including an Indigenous heritage assessment • Visual – including an assessment of the potential visual impacts of the project on the amenity of the surrounding area; • Greenhouse Gas – including: – a quantitative assessment of the scope 1 and 2 greenhouse gas emissions of the project, and an assessment of the energy efficiency of the project in comparison to industry best practice; and – a description of the measures that would be implemented to minimise the energy use of the project including landfill gas capture and electricity generation. • Traffic and transport – including: – details of traffic volumes that are likely to be generated during construction and operation, and an assessment of the impact of this traffic on the safety and efficiency of the surrounding road network; and – consideration of whether transport links to the landfill are optimised. • Hazards and Risk – including a Preliminary Hazard Analysis (PHA) of the project, and an assessment of the potential bushfire risks of the project.
Other Issues	• Noise – including construction, operational and traffic noise

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	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. In particular you must consult with: • Department of Environment, Climate Change and Water; • NSW Office of Water; • Mine Subsidence Board; • NSW Office of Water; and • Roads and Traffic Authority. The consultation process and the issues raised must be described in the Environmental Assessment.
Deemed Refusal Period	60 days

Guidelines, Policies and Plans

Aspect	Policy /Methodology
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
Soil and Waters	
Soil	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 Guidelines for Consultants Reporting on Contaminated Sites (DECCW, 2000) Managing Land Contamination - Planning Guidelines SEPP 55 – Remediation of Land (DUAP and EPA) Managing Urban Stormwater: Soils and Construction (Landcom) Acid Sulfate Soil Manual (ASSMAC) Agricultural Land Classification Rural Land Capability Map
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, NRMMC & 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, NRMMC & 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) NSW Government Floodplain Development Manual – the Management of Flood Liable Land (DIPNR, 2005) Floodplain Risk Management Guideline: Practical Consideration of Climate Change (DECC, 2007) Technical Guidelines: Bunding & Spill Management (DECC)
Groundwater	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) Draft
Biodiversity	
	Draft Guidelines for Threatened Species Assessment (DEC & DPI, 2005)
	Threatened Biodiversity Survey and Assessment - Guideline for Developments and Activities - DECCW 2009
	Threatened Species Assessment Guidelines: The Assessment of significance - DECC 2007
	Guidelines for Development Adjoining DECC Land (DECC, 2008)
	Why do Fish Need to Cross the Road? Fish Passage Requirements for Waterway Crossings (NSW Fisheries, 2003)
	Policy and Guidelines: Aquatic Habitat Management and Fish Conservation (NSW Fisheries, 1999)
	Threatened Species Management Manual (NPWS, 1998)
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)
Odour	
	Technical Framework: Assessment and Management of Odour from Stationary Sources in NSW (DEC)
Heritage	
Aboriginal	Draft Guidelines for Aboriginal Cultural Heritage Impact Assessment and Community Consultation (DEC, 2005)
Greenhouse Gas	
	National Greenhouse Accounts (NGA) Factors 2008
	Guidelines for Energy Savings Action Plans (DEUS)
Transport	
	Guide to Traffic Generating Development (RTA)
	Road Design Guide (RTA)
	Technical Notes: Assessment and Management of Odour from Stationary Sources in NSW (DEC)
Risk	
	AS/NZS 4360:2004 Risk Management (Standards Australia)
	HB 203: 2003:2006 Environmental Risk Management – Principles & Process (Standards Australia)
Bushfire	
	Planning for Bushfire Protection 2006 (NSW Rural Fire Service)
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)
Hazards	

~~State Environmental Planning Policy No 33 – Hazardous and Offensive~~

Development (SEPP 33)

Planning Advisory Paper No. 6 – Guidelines for Hazardous Analysis
(DUAP)
