



## Planning & Infrastructure

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Mr Michael Herraman  
Senior Project Manager  
Wollongong City Council  
Locked Bag 8821  
WOLLONGONG NSW 2500

Dear Mr Herraman,

### **Director General's Requirements Whytes Gully Landfill Expansion Project, Kembla Grange**

I refer to your application for the expansion of the putrescible landfill component of the Whytes Gully Resource Recovery Park, Reddalls Road, Kembla Grange.

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. The Department is yet to receive feedback from the NSW Office of Water. These will be forwarded to you once received.

The Department prefers landfills such as the Whytes Gully landfill to operate under a single modern planning approval. You are therefore encouraged to develop the project with this preference in mind. Further, Wollongong City Council should consider surrendering all the old consents for the existing landfill if this application is ultimately approved.

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 and 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](mailto:felicity.greenway@planning.nsw.gov.au)

Yours sincerely



David Kitto  
**Director – Mining and Industry**  
**Major Projects Assessment**  
*As delegate for the Director-General*

# Director-General's Requirements

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

<b>Application Number</b>	MP11_0094
<b>Project</b>	<p>Whytes Gully Landfill Expansion Project - development of a putrescible landfill 'piggy-backed' on top of existing landfill operations, including:</p> <ul style="list-style-type: none"> <li>• creation of approximately 7 million m<sup>3</sup> of additional landfill capacity;</li> <li>• waste input rates of up to 180,000 tonnes per year; and</li> <li>• associated infrastructure.</li> </ul>
<b>Location</b>	<p>Off Reddalls Road, Kembla Grange:</p> <ul style="list-style-type: none"> <li>• Part Lot 501 DP 1079122</li> <li>• Lot 502 DP 1079122</li> <li>• Lot 2 DP 240557</li> <li>• Lot 52 DP 1022266</li> <li>• Lot 53 DP 1022266</li> <li>• Lot 51 DP 1022266</li> </ul>
<b>Proponent</b>	Wollongong City Council
<b>Date of Issue</b>	August 2011
<b>Expiry date</b>	August 2013
<b>General Requirements</b>	<p>The Environmental Assessment (EA) must include:</p> <ul style="list-style-type: none"> <li>• an executive summary;</li> <li>• a detailed description of the project including the: <ul style="list-style-type: none"> <li>- waste strategy that underpins the development of the project;</li> <li>- 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></li> <li>- a review of the project against Clause 123 of the <i>State Environmental Planning Policy (Infrastructure) 2007</i>;</li> <li>- alternatives considered, including a justification for the proposal on economic, social and environmental grounds;</li> <li>- details of any proposed building works, including engineering and/or architectural plans;</li> <li>- details of the landfill design, leachate and gas management systems;</li> <li>- various components and stages of the project; and</li> <li>- 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.</li> </ul> </li> <li>• consideration of whether the development is consistent with the principles included in the publication <i>EIS Guideline: Landfilling</i> (Department of Planning, 1996);</li> <li>• a risk assessment of the potential environmental impacts of the project, identifying the key issues for further assessment;</li> <li>• 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"> <li>- a description of the existing environment, using sufficient baseline data;</li> <li>- an assessment of the potential impacts of all stages of the project taking into consideration any relevant guidelines, policies, plans</li> </ul> </li> </ul>

	<p>and statutory provisions; and</p> <ul style="list-style-type: none"> <li>- 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.</li> <li>• a statement of commitments, outlining all the proposed environmental management and monitoring measures;</li> <li>• 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; and</li> <li>• a signed statement from the author of the environmental assessment certifying that the information contained in the report is neither false nor misleading.</li> </ul>
<p><b>Key Issues</b></p>	<ul style="list-style-type: none"> <li>• <b>Waste Management</b> – including: <ul style="list-style-type: none"> <li>- identify, classify and quantify the likely waste streams that would be handled/stored/disposed of at the facility;</li> <li>- 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; and</li> <li>- any waste recovery methods (including volumes and types of wastes diverted) and monitoring programs.</li> </ul> </li> <li>• <b>Soil, Water and Leachate</b> – including: <ul style="list-style-type: none"> <li>- the proposed erosion and sediment controls during construction and operation;</li> <li>- the proposed stormwater management system, including the capacity of onsite detention systems, and measures to treat, reuse or dispose of water;</li> <li>- consideration of potential acid sulfate soils, salinity, soil contamination and flooding impacts of the proposal;</li> <li>- potential impacts on watercourses and groundwater; and</li> <li>- the proposed leachate management systems.</li> </ul> </li> <li>• <b>Air Quality and Odour</b> – including: <ul style="list-style-type: none"> <li>- a quantitative assessment of the potential air quality and odour impacts of the project including cumulative impacts; and</li> <li>- 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>.</li> </ul> </li> <li>• <b>Greenhouse Gas</b> – including: <ul style="list-style-type: none"> <li>- 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</li> <li>- a description of the measures that would be implemented to minimise the energy use of the project including landfill gas capture and electricity generation.</li> </ul> </li> <li>• <b>Biodiversity</b> – including: <ul style="list-style-type: none"> <li>- accurate estimates of any vegetation clearing associated with the project;</li> <li>- a detailed assessment of the potential impacts of the project on any terrestrial and aquatic threatened species or populations and their habitats, endangered ecological communities or groundwater dependent ecosystems;</li> <li>- a detailed description of the measures that would be implemented to avoid or mitigate impacts to biodiversity; and</li> <li>- an offset strategy to ensure that the project maintains or improves the biodiversity values of the region in the medium to long term (in accordance with NSW and Commonwealth policies).</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>• <b>Traffic and transport</b> – including: <ul style="list-style-type: none"> <li>– details of traffic volumes that are likely to be generated during construction and operation of the project, and an assessment of the impact of this traffic on the safety and efficiency of the surrounding road network; and</li> <li>– details of suitable infrastructure required to ameliorate any traffic impacts an safety impacts associated with the project.</li> </ul> </li> <li>• <b>Noise</b> – including construction, operational and traffic noise.</li> <li>• <b>Heritage</b> – including an indigenous and non indigenous heritage assessment.</li> <li>• <b>Hazards and Risk</b> – including a Preliminary Hazard Analysis (PHA) of the project, and an assessment of the potential bushfire risks of the project.</li> <li>• <b>Visual</b> – including an assessment of the potential visual impacts of the project on the amenity of the surrounding area.</li> <li>• <b>Socio-Economic</b> – 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.</li> <li>• <b>Rehabilitation &amp; Final Landform</b> – including: <ul style="list-style-type: none"> <li>– a justification of the final landform and details regarding the potential future land uses for the site; and</li> <li>– a detailed description of how the site would be progressively rehabilitated and integrated with the final landform.</li> </ul> </li> </ul>
<b>Guidelines</b>	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 following list.
<b>Consultation</b>	<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. In particular you must consult with:</p> <ul style="list-style-type: none"> <li>• NSW Office of Environment and Heritage;</li> <li>• NSW Office of Water;</li> <li>• Roads and Traffic Authority.</li> </ul> <p>The consultation process and the issues raised must be described in the Environmental Assessment.</p>
<b>Deemed Refusal Period</b>	60 days

## Technical and Policy Guidelines

Aspect	Policy /Methodology
<b>Waste</b>	
	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
<b>Soil and Waters</b>	
<i>Soil</i>	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
<i>Surface Water</i>	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)
<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) Draft

<b>Biodiversity</b>	
	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)
<b>Air Quality</b>	
	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)
<b>Odour</b>	
	Technical Framework: Assessment and Management of Odour from Stationary Sources in NSW (DEC)
<b>Greenhouse Gas</b>	
	National Greenhouse Accounts (NGA) Factors 2008
	Guidelines for Energy Savings Action Plans (DEUS)
<b>Transport</b>	
	Guide to Traffic Generating Development (RTA)
	Road Design Guide (RTA)
	Technical Notes: Assessment and Management of Odour from Stationary Sources in NSW (DEC)
<b>Noise</b>	
	NSW Industrial Noise Policy (DECC)
	Environmental Criteria for Road Traffic Noise (NSW EPA)
	Environmental Noise Control Manual (DECC)
	Draft Construction Noise Guideline 2008 (DECC)
<b>Heritage</b>	
Aboriginal	Draft Guidelines for Aboriginal Cultural Heritage Impact Assessment and Community Consultation (DEC, 2005)
<b>Risk</b>	
	AS/NZS 4360:2004 Risk Management (Standards Australia)
	HB 203: 203:2006 Environmental Risk Management – Principles & Process (Standards Australia)
<b>Bushfire</b>	
	Planning for Bushfire Protection 2006 (NSW Rural Fire Service)
<b>Hazards</b>	
	State Environmental Planning Policy No 33– Hazardous and Offensive Development (SEPP 33)
	Planning Advisory Paper No. 6 – Guidelines for Hazardous Analysis (DUAP)