



NSW GOVERNMENT  
**Department of Planning**

**Major Project Assessment  
Industry & Mining**

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SYDNEY NSW 2001

Mr Stephen Sykes  
Director Enterprise Services  
Orange City Council  
PO Box 35  
Orange NSW 2800

Our ref: S02/01227

Dear Mr Sykes

**The Orange Waste Project (MP 09\_0025)  
Director-General's Requirements**

I refer to your application for the Orange Waste 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. The Commonwealth Government has accredited the NSW environmental assessment process so 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

Chris Wilson  
**Executive Director**  
**Major Project 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>	09_0025
<b>Project</b>	<p>The Orange Waste Project, which includes:</p> <ul style="list-style-type: none"> <li>• the continued operation of the existing waste management facility at Ophir Road in Orange, and the development of a range of associated infrastructure at the facility, including a new materials recycling facility;</li> <li>• development of a new waste management facility and associated infrastructure, including a new landfill and composting facility off Euchareena Road near Molong; and</li> <li>• road upgrades along Euchareena Road between Watson Street and the proposed site for the new waste management facility.</li> </ul>
<b>Location</b>	<ul style="list-style-type: none"> <li>• The existing waste management facility off Ophir Road in Orange; and</li> <li>• Lot 10, DP 1034198 off Euchareena Road near Molong; and</li> <li>• Land in and adjacent to the Euchareena Road reserve.</li> </ul>
<b>Proponent</b>	Orange City Council
<b>Date of Issue</b>	April 2009
<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 following: <ul style="list-style-type: none"> <li>– the waste strategy (or strategies) that underpins the development of the project;</li> <li>– the past, existing and approved operations on the Ophir Road site, including copies of any statutory approvals that regulate the ongoing waste operations on site; and</li> <li>– past and existing operations on the Euchareena Road site;</li> </ul> </li> <li>• a detailed description of the project including: <ul style="list-style-type: none"> <li>– the need for the project, having particular regard to the requirements in Clause 123 of <i>State Environmental Planning Policy (Infrastructure) 2007</i>;</li> <li>– the alternatives considered, including detailed justification for the preferred alternative (ie the project);</li> <li>– the role the project would play in the region, particularly in the implementation of the relevant waste strategy (or strategies);</li> <li>– accurate estimates of the scale and nature of the waste that would be managed/processed by the project;</li> <li>– the measures that would be implemented to ensure that the project is consistent with 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>;</li> <li>– plans of the proposed building works, both on-site (such as the proposed stormwater and leachate systems) and off-site (such as the proposed road upgrade works);</li> <li>– proposed rehabilitation strategy for both sites; and</li> <li>– likely staging of the project.</li> </ul> </li> <li>• a comprehensive 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:</li> </ul>

	<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, including any cumulative impacts, taking into consideration any relevant policies, guidelines, plans and statutory provisions (see below);</li> <li>- a description of the measures that would be implemented to avoid, minimise, mitigate, and/or offset the potential impacts of the project, and ensure that the project is in the public interest and would meet the net benefit test;</li> <li>- a description of the measures that would be implemented to manage and monitor the potential impacts of the project, including detailed contingency plans for managing any potential significant risks to the environment;</li> <li>• a statement of commitments;</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;</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>Soil and Water</b> –including: <ul style="list-style-type: none"> <li>- detailed modelling of the potential surface and groundwater impacts of the project;</li> <li>- a site water balance for the project, including a description of the measures that would be implemented to minimise water use on site;</li> <li>- a detailed description of the proposed water and leachate management system on site; and</li> <li>- a detailed assessment of the project on: <ul style="list-style-type: none"> <li>o the quantity and quality of regional water supplies;</li> <li>o water users downstream of the project area; and</li> <li>o the environment, paying particular attention to any relevant riparian corridors.</li> </ul> </li> </ul> </li> <li>• <b>Odour</b> – including a quantitative assessment of the potential odour impacts of the project;</li> <li>• <b>Air</b> – including a quantitative assessment of the potential air quality impacts of the project;</li> <li>• <b>Greenhouse Gas</b> – including: <ul style="list-style-type: none"> <li>- a quantitative assessment of the scope 1, 2 and 3 greenhouse gas emissions of the project;</li> <li>- a qualitative assessment of the potential impacts of these emissions on the environment; and</li> <li>- an assessment of all reasonable and feasible measures that could be implemented to minimise the generation of greenhouse gas emissions associated with the project;</li> </ul> </li> <li>• <b>Noise</b> – including quantitative assessment of the potential construction, operational and traffic noise impacts of the project;</li> <li>• <b>Transport</b> - including: <ul style="list-style-type: none"> <li>- accurate predictions of the traffic volumes likely to be generated during construction and operation;</li> <li>- an assessment of the predicted impacts of this traffic on the safety and capacity of the surrounding road network;</li> <li>- details of the 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;</li> </ul> </li> </ul>

	<p>and</p> <ul style="list-style-type: none"> <li>- details of the proposed access and parking arrangements on site;</li> </ul> <ul style="list-style-type: none"> <li>• <b>Biodiversity</b> – including: <ul style="list-style-type: none"> <li>- an assessment of the potential impacts of the project on threatened species and endangered ecological communities; and</li> <li>- details of the proposed measures to enhance biodiversity conservation value of the site;</li> </ul> </li> <li>• <b>Aboriginal Heritage;</b></li> <li>• <b>Hazards</b> – including: <ul style="list-style-type: none"> <li>- from gases produced by composting and landfilling;</li> <li>- from the storage of hazardous materials; and</li> <li>- fire risk and management;</li> </ul> </li> <li>• <b>Visual</b> – <ul style="list-style-type: none"> <li>- an assessment of the potential visual impacts of the project on the amenity of the surrounding area;</li> <li>- a detailed description of the measures that would be implemented to minimise the potential visual impacts of the project, including the proposed landscaping to screen the proposed works, and the proposed measures to minimise the lighting and signage impacts of the surface facilities;</li> </ul> </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: <ul style="list-style-type: none"> <li>- the agricultural capability of the site and region;</li> <li>- the surrounding apiary industry;</li> <li>- the ability to extract any valuable mineral resources either on the site or in its immediate surrounds.</li> </ul> </li> </ul>
-	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.
<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.</p> <p>In particular you must consult with:</p> <ul style="list-style-type: none"> <li>• Department of Environment and Climate Change;</li> <li>• Department of Primary Industries;</li> <li>• Department of Water &amp; Energy;</li> <li>• Roads and Traffic Authority; and</li> <li>• Cabonne, Parkes, Forbes, Blayney &amp; Bathurst Councils</li> </ul> <p>The consultation process and the issues raised must be described in the Environmental Assessment.</p>
<b>Deemed Refusal Period</b>	90 days

## Guidelines, Policies and Plans

Aspect	Policy /Methodology
<b>Risk</b>	
	AS/NZS 4360:2004 Risk Management (Standards Australia)
	HB 203: 203:2006 Environmental Risk Management – Principles & Process (Standards Australia)
<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>	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
	Managing Land Contamination - Planning Guidelines SEPP 55 – Remediation of Land (DUAP and EPA)
	Rural Land Capability Mapping Agricultural Land Classification
<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 Sewerage Systems - Effluent Management (ARMCANZ/ANZECC)
	National Water Quality Management Strategy: Guidelines for Sewerage Systems - Use of Reclaimed Water (ARMCANZ/ANZECC)
	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)
	Floodplain Management Manual (DWE)
	Floodplain Risk Management Guideline: Practical Consideration of Climate Change (DECC)

	Technical Guidelines: Bunding & Spill Management (DECC)
	Environmental Guidelines: Use of Effluent by Irrigation (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
	Murray-Darling Basin Commission. Groundwater Flow Modelling Guideline (Aquaterra Consulting Pty Ltd)
	Guidelines for the Assessment and Management of Groundwater Contamination (DECC) Draft
<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)
	Technical Notes: Assessment and Management of Odour from Stationary Sources in NSW (DEC)
<b>Transport</b>	
	Guide to Traffic Generating Development (RTA)
	Road Design Guide (RTA)
<b>Greenhouse Gas</b>	
	National Greenhouse Accounts (NGA) Factors 2008
	Guidelines for Energy Savings Action Plans (DEUS)
<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>Hazards</b>	
	State Environmental Planning Policy No 33– Hazardous and Offensive Development (SEPP 33)
	Planning Advisory Paper No. 6 – Guidelines for Hazardous Analysis (DUAP)
<b>Biodiversity</b>	
	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)
<b>Aboriginal Heritage</b>	
	Part 3A EP&A Act Guidelines for Aboriginal Cultural Heritage Impact Assessment and Community Consultation 2007 (DEC & DoP)
<b>Social &amp; Economic</b>	

