

# Riverina Oils and BioEnergy

Integrated Oilseed Processing Plant

Appendix A  
Director-General's  
Requirements





## Planning

### Major Project Assessment

#### Industry

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SYDNEY NSW 2001

DD Saxena  
Managing Director  
Riverina Oils and BioEnergy  
19 Grey Street  
BALWYN VIC 3103

Our ref: S07/01421

Dear Mr Saxena

**Riverina Oils and Bioenergy Integrated Oilseed Processing and Biodiesel Facility  
Director-General's Requirements  
(Project Application 07\_0146 - MOD 1)**

I refer to your correspondence dated 15 October 2009 concerning your proposed changes to the above referenced project including the deferment of the biodiesel component, redesign of the oilseed processing component, and irrigation management.

The Department has reviewed the proposed changes and considers that the proposed changes are not consistent with the Minister's approval and therefore requires a modification to the approval under section 75W of the *Environmental Planning and Assessment Act 1979*. As such you are requested to complete the attached application form and make payment to the amount of \$7,000.00 to the Department for the processing of the modification application.

I have attached a copy of the Director-General's requirements for the project. These requirements have been prepared based on the information you have provided to date.

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

It is strongly recommended that you engage an appropriately qualified and experienced consultant to prepare the Environmental Assessment (EA).

I would appreciate it if you would contact the Department at least two weeks before you propose to submit the EA for the project. This will enable the Department to advise you on the number of copies (hard-copy and/or CD-ROM) of the EA that will be required.

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.

If you have any enquiries about these requirements, please contact Christine Chapman on 9228 6537 or myself on 9228 6413.

Yours sincerely

Chris Ritchie  
Manager – Industry  
Major Development Assessment

28/10/09.

# Director-General's Requirements

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

<b>Application Number</b>	07_0146 - Mod 1
<b>Modification</b>	Proposed changes to the project including; <ul style="list-style-type: none"> <li>• deferment of the biodiesel component;</li> <li>• redesign of the oilseed processing component; and</li> <li>• irrigation management.</li> </ul>
<b>Location</b>	299 Trahairs Road, Brucedale (approximately 8 kilometres northeast of Wagga Wagga).
<b>Proponent</b>	Riverina Oils and Bioenergy Pty Ltd
<b>Date of Issue</b>	October 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 project including the: <ul style="list-style-type: none"> <li>– need for the project;</li> <li>– alternatives considered; and</li> <li>– various components and stages of the project, including processing and distribution of the meal;</li> </ul> </li> <li>• consideration of any relevant statutory provisions;</li> <li>• a general overview of the environmental impacts of the project, taking into consideration the issues raised during consultation;</li> <li>• a detailed assessment of the key issues specified below, and any other significant issues identified in the general overview of environmental impacts of the project (see above), which includes: <ul style="list-style-type: none"> <li>– a description of the existing environment;</li> <li>– an assessment of the potential impacts of the project including cumulative impacts;</li> <li>– a description of the measures that would be implemented to avoid, minimise, mitigate, offset, manage, and/or monitor the impacts of the project;</li> </ul> </li> <li>• a Statement of Commitments, outlining environmental management, mitigation and monitoring measures;</li> <li>• a conclusion justifying the project, taking into consideration the environmental impacts of the project, the suitability of the site, and any social, economic and/or environmental benefits that may arise as a result of the project; 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>
<b>Key Issues</b>	<ul style="list-style-type: none"> <li>• <b>Air Quality</b> – including: <ul style="list-style-type: none"> <li>– a comprehensive air quality assessment focusing on odour, particulate emissions, vapour (including volatile compounds) and other emissions from the plant; and</li> <li>– potential impacts on private properties</li> </ul> </li> <li>• <b>Noise and Vibration</b> – including: <ul style="list-style-type: none"> <li>– construction, operation and traffic noise; and</li> <li>– potential impact on private properties.</li> </ul> </li> <li>• <b>Soils and Water</b> - including: <ul style="list-style-type: none"> <li>– a water balance for the site detailing water sources, water consumption, water recycling, the quantity and quality of waste water streams;</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>- the impact of any water and wastewater release or irrigation from the site on surface and groundwater;</li> <li>- demonstrate that the wastewater reuse and storage is sustainable in relation to hydraulic, nutrient, salt, organic loadings, soil structure and wastewater irrigation;</li> <li>- details of monitoring and mitigation measures to minimise impacts on surface and groundwater;</li> <li>- soil contamination;</li> <li>- details of any potential issues with surrounding landholders and water licence holders; and</li> <li>- proposed erosion and sediment controls (during construction) and the proposed stormwater management system (during operations);</li> </ul> <ul style="list-style-type: none"> <li>• <b>Traffic</b> – including details of revised traffic movements both on and off site; the traffic types and volumes likely to be generated during construction and operation; and an assessment of the predicted impacts of this traffic on the safety and capacity of the surrounding road network.</li> <li>• <b>Hazards and Risk</b> – including a Preliminary Hazard Analysis (PHA) in accordance with <i>Hazardous Industry Planning Advisory Paper No. 6 – Guidelines for Hazard Analysis and Multi-Level Risk Assessment</i> and details of fire/emergency measures and procedures;</li> <li>• <b>Waste Management</b> - including the quantity and classification of all liquid and solid waste to be generated at the site and how this waste would be handled, processed and, if necessary, disposed of. Details of the measures to retain and/or dispose/remove material from the site and details of contingencies should these option(s) become unavailable must be provided;</li> <li>• <b>Visual</b> – including lighting impacts.</li> </ul>
<b>References</b>	The Environmental Assessment should 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 or Commonwealth government authorities, service providers, community groups or affected landowners. The consultation process and the issues raised must be described in the Environmental Assessment.</p> <p>In particular you should consult with:</p> <ul style="list-style-type: none"> <li>• Department of Environment, Climate Change and Water;</li> <li>• NSW Roads and Traffic Authority;</li> <li>• NSW Rural Fire Service; and</li> <li>• Wagga Wagga City Council.</li> </ul>
<b>Deemed Refusal Period</b>	40 days

## State Government Technical and Policy Guidelines - For Reference

Aspect	Policy /Methodology
<b>Air Quality</b>	
	<ul style="list-style-type: none"> <li>• <i>Approved Methods for the Modelling and Assessment of Air Pollutants in NSW (DEC, 2005);</i></li> <li>• <i>Approved Methods for the Sampling and Analysis of Air Pollutants in NSW (DEC, 2007)</i></li> <li>• <i>Technical Framework: Assessment and Management of Odour from Stationary Sources in NSW (DEC, 2006)</i></li> <li>• <i>Technical Notes: Assessment and Management of Odour from Stationary Sources in NSW (DEC, 2006)</i></li> <li>• <i>Protection of the Environment Operations (Clean Air) Regulation 2002</i></li> </ul>
<b>Noise</b>	
	<ul style="list-style-type: none"> <li>• <i>NSW Industrial Noise Policy (DEC, 2000);</i></li> <li>• <i>Environmental Criteria for Road Traffic Noise (DEC, 1999);</i></li> <li>• <i>Environmental Noise Control Manual (DEC, 1994);</i></li> </ul>
<b>Water Quality</b>	
	<ul style="list-style-type: none"> <li>• <i>National Water Quality Management Strategy: Australian and New Zealand Guidelines for Fresh and Marine Water Quality (ANZECC/ARMCANZ, 2001);</i></li> <li>• <i>National Water Quality Management Strategy: Australian Guidelines for Water Quality Monitoring and Reporting (ANZECC/ARMCANZ, 2000);</i></li> <li>• <i>Using the ANZECC Guidelines and Water Quality Objectives in NSW (DEC, 2006);</i></li> <li>• <i>Approved Methods for the Sampling and Analysis of Water Pollutants in NSW (DEC, 2004)</i></li> </ul>
<b>Groundwater</b>	
	<ul style="list-style-type: none"> <li>• <i>The NSW State Groundwater Policy Framework Document (DLWC, 1997)</i></li> <li>• <i>The NSW State Groundwater Quality Protection Policy (DLWC, 1998)</i></li> <li>• <i>The NSW State Groundwater Dependent Ecosystems Policy (DLWC, 2002)</i></li> <li>• <i>National Water Quality Management Strategy Guidelines for Groundwater Protection in Australia (ARMCANZ/ANZECC, 1995)</i></li> <li>• <i>Murray-Darling Basin Groundwater Quality. Sampling Guidelines. Technical Report No 3 (MDBC, 1997)</i></li> <li>• <i>Murray-Darling Basin Commission. Groundwater Flow Modelling Guideline (Aquaterra Consulting Pty Ltd, 2000)</i></li> <li>• <i>the various State Groundwater Policy documents (DNR)</i></li> </ul>
<b>Stormwater</b>	
	<ul style="list-style-type: none"> <li>• <i>Managing Urban Stormwater: Soils and Construction (Landcom, 2004)</i></li> <li>• <i>Managing Urban Stormwater: Treatment Techniques (EPA, 1997)</i></li> <li>• <i>Managing Urban Stormwater: Strategic Framework. Draft (EPA, 1996)</i></li> <li>• <i>Managing Urban Stormwater: Source Control. Draft (EPA, 1998)</i></li> </ul>
<b>Wastewater</b>	
	<ul style="list-style-type: none"> <li>• <i>National Water Quality Management Strategy: Guidelines for Sewerage Systems - Effluent Management (ARMCANZ/ANZECC, 1997)</i></li> <li>• <i>National Water Quality Management Strategy: Guidelines for Sewerage Systems - Use of Reclaimed Water (ARMCANZ/ANZECC, 2000)</i></li> <li>• <i>Environmental Guidelines: Use of Effluent by Irrigation (DEC, 2004)</i></li> <li>• <i>National Water Quality Management Strategy - Guidelines For Water Recycling: Managing Health And Environmental Risks (Phase1) (EPHC, NRMCC &amp; AHMC, 2006)</i></li> </ul>
<b>Soil</b>	
	<ul style="list-style-type: none"> <li>• <i>Design Manual for Soil Conservation Works - Technical Handbook No. 5 (DoL, 1987);</i></li> </ul>

<b>Traffic and Transport</b>	
	<ul style="list-style-type: none"> <li>• <i>Guide to Traffic Generating Development</i> (RTA, 2002)</li> <li>• <i>RTAs Road Design Guide</i> (RTA, 1996)</li> </ul>
<b>Hazards and Risk</b>	
	<ul style="list-style-type: none"> <li>• <i>Criteria for Land Use Planning: Hazardous Industry Planning Advisory Paper No. 4</i> (DUAP, 1992);</li> <li>• <i>The storage and handling of flammable and combustible liquids</i> (Standards Australia, 2004, AS 1940-2004);</li> <li>• <i>Bunding and Spill Management</i> (DEC, 2001);</li> <li>• <i>Applying SEPP 33: Hazardous And Offensive Development Application Guidelines</i> (DUAP, 1997);</li> <li>• <i>Multi-Level Risk Assessment</i> (DUAP, 1997)</li> <li>• <i>Hazardous Industry Planning Advisory Paper No. 3 – Environmental Risk Impact Assessment Guidelines</i> (DUAP, 1996)</li> </ul>
<b>Waste</b>	
	<ul style="list-style-type: none"> <li>• <i>Environmental Guidelines: Assessment, Classification and Management of Liquid and Non-Liquid Wastes</i> (DEC, 2004)</li> <li>• <i>Environmental Guidelines: Use and Disposal of Biosolids Products</i> (DEC, 2000)</li> <li>• <i>Waste Avoidance and Resource Recovery : Strategy and Performance Report 2006. Consultation Draft</i> (DEC, 2006)</li> <li>• <i>Environmental Guidelines: Solid Waste Landfills</i> (DEC, 1996)</li> <li>• <i>Technical guidelines: Bunding and Spill Management</i> (DEC, 1997)</li> </ul> <p><i>[Note: These later two documents provide useful guidance on pond lining specifications.]</i></p>