



NSW GOVERNMENT  
**Department of Planning**

**Manufacturing and Rural Industries  
Major Development Assessment**

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Derek Charge  
Project Director  
BlueScope Steel Limited  
Five Islands Road  
Port Kembla NSW 2505

Our ref: S00/01435

Dear Derek

**Director-General's Requirements –  
Proposed Modification to Steelworks Cogeneration Plant**

I refer to your request to modify the development consent for the Steelworks Cogeneration Plant in Port Kembla Steelworks, under section 75W of the *Environmental Planning and Assessment Act 1979* (EP&A Act) and clause 8J(8) of the Environmental Planning and Assessment Regulations 2000.

I have attached a copy of the Director-General's requirements for the environmental assessment (EA) of the proposed modification. I have also attached a copy of the public authorities comments for your information.

These requirements will be placed on the Department's website along with other relevant information which becomes available during the assessment of the proposed modification. As a result, the Department would appreciate it if you would ensure that any subsequent documents submitted to the Department are in a suitable format for the web.

I would appreciate it if you could contact the Department at least two weeks before you propose to submit the EA so that we can make the necessary arrangements for public exhibition.

If you have any enquiries about these requirements, please contact Georgia Ivancevic of the Department's Manufacturing and Rural Industries team on phone 02 9228 6457 or email [Georgia.Ivancevic@planning.nsw.gov.au](mailto:Georgia.Ivancevic@planning.nsw.gov.au).

Yours sincerely

[DATE 2 APRIL 2008]

David Kitto  
**Acting Executive Director**  
**Major Project Assessment**  
As delegate for the Director-General

# Director-General's Requirements

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

<b>Application Number</b>	08_0031
<b>Proposed Modification</b>	Modifications to the construction and operation of a new 225 Mega Watt cogeneration plant and associated infrastructure in the Port Kembla Steelworks, in the Wollongong local government area.
<b>Location</b>	Port Kembla Steelworks, Port Kembla
<b>Proponent</b>	BlueScope Steel Limited
<b>Date of Issue</b>	April 2008
<b>Date of Expiration</b>	April 2010
<b>General Requirements</b>	<p>The Environmental Assessment must include:</p> <ul style="list-style-type: none"> <li>• an executive summary;</li> <li>• a detailed description of the existing and approved operations on the site, and particularly all statutory approvals relevant to the cogeneration plant including the existing cogeneration consent;</li> <li>• a detailed description of the proposed modification, including the: <ul style="list-style-type: none"> <li>▪ need for the modification;</li> <li>▪ alternatives considered;</li> <li>▪ plans for any building works; and</li> <li>▪ various components and stages of the modification;</li> </ul> </li> <li>• consideration of any relevant statutory provisions, including whether the proposed modification is consistent with the objects of the <i>Environmental Planning &amp; Assessment Act 1979</i>;</li> <li>• a general overview of the environmental impacts of the proposed modification, identifying the key issues for further assessment, and taking into consideration the issues raised during consultation;</li> <li>• a detailed assessment of the impact of the proposed modification on the key issues specified below, and any other significant issues identified in the general overview of environmental impacts of the modification (see above), which includes: <ul style="list-style-type: none"> <li>▪ a description of the existing and approved environment;</li> <li>▪ a description of the proposed changes to the current approval;</li> <li>▪ an assessment of the potential impacts of the proposed modification including any potential 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 proposed modification;</li> </ul> </li> <li>• a Statement of Commitments, outlining the proposed environmental management, mitigation and monitoring measures;</li> <li>• a conclusion justifying the proposed modification, taking into consideration the environmental, social and economic benefits of the project; and</li> <li>• a signed statement from the author of the Environmental Assessment certifying that the information 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 a revised air quality assessment, identifying nitrogen oxides and air toxics emissions from the modified proposal compared to the project as originally approved, having regard to the DECC's requirements (attached);</li> <li>• <b>Greenhouse Gas and Energy Efficiency</b> – including quantified assessment of greenhouse gases likely to be generated by the modified proposal compared to the project as originally approved, and a description of the measures that would be implemented to ensure the plant is energy efficient;</li> <li>• <b>Water quality</b> - including assessment of impacts on the water quality resulting from the construction of proposed parallel pipeline over Allan's</li> </ul>

	<p>Creek and discharge of cooling water and anti-fouling agents to Allan's Creek and Port Kembla Harbour, and contingency measures that would be implemented to address any potential risks;</p> <ul style="list-style-type: none"> <li>• <b>Flora and Fauna</b> – including an assessment of impacts from the modified proposal compared to the project as originally approved on threatened species, populations, ecological communities, native vegetation and aquatic ecosystems;</li> <li>• <b>Hazards and Risks</b> – include a Preliminary Hazard Analysis of the modified project, in accordance with the Department's Hazardous Industry Planning advisory papers;</li> <li>• <b>Noise</b> – including an assessment of construction, operation and traffic noise from the modification of the approved project; and</li> <li>• <b>Visual amenity</b> – an assessment of lighting impacts (if any) from the substation and gas holder to be constructed as part of the modified proposal on motorists on Five Islands Road or residents in the Mount St Thomas and Cringilla areas.</li> </ul>
<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 and Climate Change;</li> <li>• Department of Primary Industries (Fisheries);</li> <li>• Department of Water and Energy;</li> <li>• NSW Maritime;</li> <li>• Roads and Traffic Authority; and</li> <li>• Wollongong City Council.</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

## State Government Technical and Policy Guidelines - For Reference

Aspect	Policy /Methodology
<b>Air Quality</b>	<p>Protection of the Environment Operations (Clean Air) Regulation 2002</p> <p>Approved Methods for the Modelling and Assessment of Air Pollutants in NSW (DEC, 2005)</p> <p>Approved Methods for the Sampling and Analysis of Air Pollutants in NSW (DECC, 2007)</p> <p>Action for Air, The NSW Government's 25 Year Air Quality Management Plan (DEC, 2006)</p>
<b>Greenhouse Gas and Energy Efficiency</b>	<p>National Greenhouse Accounts (NGA) Factors (DCC)</p> <p>Guidelines for Energy Savings Action Plans (DEUS, 2005)</p>
<b>Water Quality</b>	<p>National Water Quality Management Strategy: Australian and New Zealand Guidelines for Fresh and Marine Water Quality (ANZECC/ARMCANZ, 2001);</p> <p>National Water Quality Management Strategy: Australian Guidelines for Water Quality Monitoring and Reporting (ANZECC/ARMCANZ, 2000);</p> <p>Using the ANZECC Guidelines and Water Quality Objectives in NSW (DEC, 2006);</p> <p>Approved Methods for the Sampling and Analysis of Water Pollutants in NSW (DEC, 2004)</p>
<b>Flora and Fauna</b>	<p>Policy &amp; Guidelines - Aquatic Habitat Management and Fish Conservation (NSW Fisheries, 1999)</p> <p>Policy &amp; Guidelines for Fish Friendly Waterway Crossings (NSW Fisheries, 2004)</p> <p>Why do Fish Need to Cross the Road? Fish Passage Requirements for Waterway Crossings (NSW Fisheries, 2004)</p> <p>Threatened Biodiversity Survey and Assessment: Guidelines for Developments and Activities. Working Draft (DEC, 2004)</p> <p>Draft Guidelines for Threatened Species Assessment under Part 3A of the Environmental Planning and Assessment Act 1979 (DEC, 2005)</p> <p>Commonwealth Environmental Protection and Biodiversity Conservation Act 1999 - Guide to implementation in NSW (DoP, 2007)</p>
<b>Hazards &amp; Risks</b>	<p>Applying Sepp 33: Hazardous And Offensive Development Application Guidelines (DUAP, 1994)</p> <p>Multi-Level Risk Assessment (DUAP, 1997)</p> <p>Hazardous Industry Planning Advisory Paper No. 6 - Guidelines for Hazard Analysis (DUAP, 1997)</p> <p>Hazardous Industry Planning Advisory Paper No. 4 – Risk Criteria for land Use Safety Planning (DUAP, 1992)</p>
<b>Noise</b>	<p>NSW Industrial Noise Policy (DEC, 2000);</p> <p>Environmental Criteria for Road Traffic Noise (DEC, 1999);</p> <p>Environmental Noise Control Manual (DEC, 1994);</p>
<b>Visual</b>	<p>Control of Obtrusive Effects of Outdoor Lighting (Standards Australia, AS 4282)</p>