



NSW GOVERNMENT
Department of Planning

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Our ref:
Your ref:

Mr Tom O'Toole
EIA Manager
BlueScope Steel Limited
PO Box 1854
WOLLONGONG NSW 2500

Dear Mr O'Toole

Proposed Sinter Plant Upgrade, Port Kembla Steelworks, Wollongong Local Government Area

I refer to your correspondence of 1 November 2005, with which you seek adoption of the Director-General's requirements for the preparation of an Environmental Impact Statement for the above proposal as Environmental Assessment requirements under Part 3A of the *Environmental Planning and Assessment Act 1979*.

Pursuant to clause 8J(1) of the *Environmental Planning and Assessment Regulation 2000*, the Director-General hereby adopts the requirements issued on 22 November 2004, as Environment Assessment Requirements under section 75F(2) of the Act. These requirements have been recast to include administrative matters under Part 3A of the Act, and are attached.

It should be noted that the Director-General's requirements have been prepared based on the information provided to date. Under section 75F(3) of the Act, the Director-General may alter or supplement these requirements if necessary and in light of any additional information that may be provided prior to the proponent seeking approval for the project.

You should ensure that you consult with the Department prior to submission of a draft Environmental Assessment to determine:

- fees applicable to the application;
- relevant land owner notification requirements;
- consultation and public exhibition arrangements that will apply; and
- number and format (hard-copy or CD-ROM) of the Environmental Assessments that will be required.

Once you have lodged the Environmental Assessment, the Department will consult with the relevant authorities to determine the adequacy of the Environmental Assessment. Following this review period the Environmental Assessment will be made publicly available for a minimum period of 30 days.

You should keep the contact officer for this project, Chris Ritchie ((02) 9228 6413, chris.ritchie@planning.nsw.gov.au), up to date with the progress of preparation of the Environmental Assessment, and seek clarification of any issues that may be unclear or may arise during this process.

Yours sincerely

A handwritten signature in black ink, appearing to be 'Chris Wilson', written in a cursive style.

10.2.06

Chris Wilson
A/ Deputy Director-General
As delegate for the Director-General

UPGRADE OF THE PORT KEMBLA STEELWORKS SINTER PLANT

ENVIRONMENTAL ASSESSMENT REQUIREMENTS UNDER PART 3A OF THE ENVIRONMENTAL PLANNING AND ASSESSMENT ACT 1979

Project	<p>Upgrade and expansion of the sinter plant within the Port Kembla Steelworks, including:</p> <ul style="list-style-type: none"> → repair/ refurbishment/ replacement of main fans, waste gas precipitator internals, waste gas mains and attached dust hoppers; waste gas precipitator shells; wind boxes below sinter strand; room dedusting precipitator and associated ductwork; mixing and rolling drum ring gears; feed hopper wear plates, gate and load cells; hearth layer bin wear plates, gate and lower hopper and load cells; grillage trolley support beams and chute; strand rail; split bin wear plates and bin level transducers; and strand drive motor and gearbox and lift wheel bearing, motor and controls; → potential widening of sinter strand pallets; → potential rebuild/ replacement of sinter cooler and motor control centre; → potential installation of new ignition hood and relocated windbox 1; new strand feeding technology; new cooler fans with demolition of existing cooler fans; tray conveyor to replace hot sinter feeders (strand to cooler); new cooler feed chute; internal components into zone 1 of waste gas precipitators; cooler air dedusting plant; top size sinter crusher; and → air-conditioning of schenk and relay room.
Site	Lot 1, DP 606434, Five Islands Road, Port Kembla, Wollongong local government area
Proponent	BlueScope Steel (AIS) Pty Limited
Date of Issue	22 November 2004
Date of Expiration	22 November 2006
General Requirements	<p>The Environmental Assessment must be prepared to a high technical and scientific standard and must include:</p> <ul style="list-style-type: none"> • an executive summary; • a description of the proposal, including construction, operation, and staging; • an assessment of the environmental impacts of the project, with particular focus on the key assessment requirements specified below; • justification for undertaking the project with consideration of the benefits and impacts of the proposal; • a draft Statement of Commitments detailing measures for environmental mitigation, management and monitoring for the project; and • certification by the author of the Environment Assessment that the information contained in the Assessment is neither false nor misleading.
Key Assessment Requirements	<p>The Environmental Assessment must include assessment of the following key issues:</p> <ul style="list-style-type: none"> • Air Quality – the Environmental Assessment must include: <ul style="list-style-type: none"> → characterisation of materials to be processed through the project, particularly in terms of particulate size, to provide a basis for the assessment of dust impacts from the project; → details of impacts of construction activities on air quality, particularly dust emissions, with identification of appropriate mitigation measures; → a full air quality assessment, identifying all fugitive and point source emissions during operation and assessing these parameters from a project-specific perspective in accordance with the Department of Environment and Conservation's (DEC) <i>Approved Methods and Guidance for the Modelling and Assessment of Air Pollutants in NSW (2000)</i>; → details of measures such as building design and ventilation systems in the context of minimisation of fugitive emissions from the project; → an outline of air quality monitoring for the project, including pollutants and parameters that would be monitored, monitoring locations, methods and frequencies. • Transport Impacts – the Environmental Assessment must include an assessment of traffic impacts associated with the construction of the project, including identification of the likely vehicle types and routes to be employed for carriage of equipment and employees/ contractors to and from the site. A clear focus on scheduling heavy vehicle movements and peak construction workforce movements to avoid peak traffic flows through the regional road network and to avoid sensitive road users (eg school-related traffic) should be demonstrated through the Environmental Assessment.

	<ul style="list-style-type: none"> • Noise Impacts – the Environmental Assessment must assess the predicted noise impact resulting from all noise sources during construction and operation, including road traffic noise. The noise assessment must be undertaken in accordance with the DEC's <i>Industrial Noise Policy (2000)</i> and <i>Environmental Criteria for Road Traffic Noise</i>. In relation to construction noise, the noise assessment must be undertaken in accordance with the <i>Construction Site Noise</i> guidelines from the DEC's <i>Environmental Noise Control Manual</i>. • Water Management – the Environmental Assessment must include full details of the project's water cycle and management, including a description of water supply and the need for any licences, measures to reuse water within the process and any proposal to apply water to land or discharge water to natural waterways. The Environmental Assessment must also detail proposed erosion and sedimentation control measures to be utilised throughout the life of the project. • Hazards and Risk Management – the Environmental Assessment must include a preliminary risk screening in accordance with <i>State Environmental Planning Policy No. 33 – Hazardous and Offensive Development (SEPP 33)</i> and <i>Applying SEPP 33 (DUAP, 1994)</i>, with a clear indication of class, quantity and location of all dangerous goods and hazardous materials to be located on the site. Specific consideration must be given to inventories of dangerous goods and hazardous materials, as well as hazards that may be posed by leaks, spills and the full or temporary failure of any pollution control measures. Should preliminary screening indicate that the project is "potentially hazardous," a Preliminary Hazard Analysis (PHA) must be prepared for inclusion in the Environmental Assessment, as required under <i>State Environmental Planning Policy No. 33 - Hazardous and Offensive Development</i>. The PHA should be prepared in accordance with the Department's publications <i>Hazardous Industry Planning Advisory Paper No. 6 - Guidelines for Hazard Analysis (DUAP, 1997)</i> and <i>Multi-Level Risk Assessment (DUAP, 1997)</i>. Specific consideration of fatality, irritation, injury and societal risks must be included. The Environmental Assessment must also include details of contingency plans for any potential incidents and equipment failures during the operation of the project, as well as details of a proposed monitoring and maintenance regime to be implemented for the project to ensure performance within acceptable risk limits. • Land and Soil Management – the Environmental Assessment must consider the potential for contaminated soils to be disturbed during the project. Where such a potential exists, the Environmental Assessment must include specific mitigation and management measures proposed to be implement to manage any risk posed by contaminated materials, and if relevant, remediation of the contamination. • General Environmental Risk Analysis – notwithstanding the above key assessment requirements, the Environmental Assessment must include an environmental risk analysis to identify potential environmental impacts associated with the project (construction and operation), proposed mitigation measures and potentially significant residual environmental impacts after the application of proposed mitigation measures. Where additional key environmental impacts are identified through this environmental risk analysis, an appropriately detailed impact assessment of these additional key environmental impacts must be included in the Environmental Assessment.
Consultation Requirements	<p>You must undertake an appropriate and justified level of consultation with the following parties during the preparation of the Environmental Assessment:</p> <ul style="list-style-type: none"> • NSW Department of Environment and Conservation; • NSW Roads and Traffic Authority; • Wollongong City Council; • Port Kembla Port Corporation; • the local community. <p>The Environmental Assessment must clearly indicate issues raised by stakeholders during consultation, and how those matters have been addressed in the Environmental Assessment.</p>
Deemed refusal period	<p>Under clause 8E(2) of the <i>Environmental Planning and Assessment Regulation 2000</i>, the applicable deemed refusal period is 60 days from the end of the proponent's environmental assessment period for the project.</p>

Appendix A Schedule of Environmental Assessment Requirements Addressed in the Environmental Assessment

The following schedule lists the sections of the Environmental Assessment (EA) which respond to the respective Environmental Assessment Requirements (EARs) provided by the Department of Planning.

Table A-1 Schedule of Environmental Assessment Requirements Addressed in the EA

Environmental Assessment Requirements	Section(s) of EA
General Requirements	
<ul style="list-style-type: none"> Executive Summary 	ES
<ul style="list-style-type: none"> Description of the proposal including construction, operation and staging 	6
<ul style="list-style-type: none"> Assessment of the environmental impacts of the project with particular focus on the key assessment requirements 	8
<ul style="list-style-type: none"> Justification for undertaking the project with consideration of the benefits and impacts of the proposal 	10.1
<ul style="list-style-type: none"> A draft Statement of Commitments detailing measures for environmental mitigation, management and monitoring for the project 	SOC
<ul style="list-style-type: none"> Certification by the author of the EA that the information contained in the Assessment is neither false nor misleading 	Form 2
Key Assessment Requirements for EA Preparation	
Air Quality	
<ul style="list-style-type: none"> Characterisation of materials to be processed through the project, particularly in terms of particulate size, to provide a basis for the assessment of dust impacts from the project 	8.1
<ul style="list-style-type: none"> Details of impacts of construction activities on air quality, particularly dust emissions, with identification of appropriate mitigation measures 	8.1
<ul style="list-style-type: none"> A full air quality assessment, identifying all fugitive and point source emissions during operation and assessing these parameters from a project-specific perspective in accordance with the Department of Environment and Conservations (DEC) <i>Approved Methods and Guidance for the Modelling and Assessment of Air Pollutants in NSW (2000)</i> 	Appendix E
<ul style="list-style-type: none"> Details of measures such as building design and ventilation systems in the context of minimisation of fugitive emissions from the project 	8.1
<ul style="list-style-type: none"> An outline of air quality monitoring for the project, including pollutants and parameters that would be monitored, monitoring locations, methods and frequencies 	8.1

Environmental Assessment Requirements	Section(s) of EA
Transport Impacts	
<ul style="list-style-type: none"> Transport impacts associated with the construction of the project including identification of the likely vehicle types and routes to be employed for carriage of equipment and employees/contractors to and from the site 	8.2.2
<ul style="list-style-type: none"> A clear focus on scheduling heavy vehicle movements and peak construction workforce movements to avoid peak traffic flows through the regional road network and to avoid sensitive road users (e.g. school related traffic) 	8.2.2
Noise Impacts	
<ul style="list-style-type: none"> Predicted noise impact resulting from all noise sources during construction and operation, including road traffic noise. The noise assessment must be undertaken in accordance with the DEC's <i>Industrial Noise Policy (2000)</i> and <i>Environmental Criteria for Road Traffic Noise</i>. In relation to construction noise, the noise assessment must be undertaken in accordance with the <i>Construction Site Noise</i> guidelines from the DEC's <i>Environmental Noise Control Manual</i>. 	8.3
Water Management	
<ul style="list-style-type: none"> Full details of the project's water cycle and management 	8.4, 8.5
<ul style="list-style-type: none"> A description of water supply and the need for any licences, measure to reuse water within the process and any proposal to apply water to land or discharge water to natural waterways 	8.4, 8.5
<ul style="list-style-type: none"> Detail proposed erosion and sedimentation control measures to be utilised throughout the life of the project 	8.4, 8.5, 8.7
Land and Soil Management	
<ul style="list-style-type: none"> Consider the potential for contaminated soils to be disturbed during the project. Where such a potential exists, the EA must include specific mitigation and management measures proposed to be implemented to manage any risk posed by contaminated materials, and if relevant, remediation of the contamination. 	8.7
Hazards and Risk Management	
<ul style="list-style-type: none"> Preliminary risk screening in accordance with <i>State Environmental Planning Policy No. 33 – Hazardous and Offensive Development</i> and <i>Applying SEPP 33 (DUAP, 1994)</i> with a clear indication of class, quantity and location of all dangerous goods and hazardous materials to be located on the site. 	8.6
<ul style="list-style-type: none"> Specific consideration must be given to inventories of dangerous goods and hazardous materials, as well as hazards that may be posed by leaks, spills and the full or temporary failure of any pollution control measures. 	8.6

Environmental Assessment Requirements	Section(s) of EA
<ul style="list-style-type: none"> • Should preliminary screening indicate that the project is “potentially hazardous”, a Preliminary Hazard Analysis (PHA) must be prepared for inclusion in the EA, as required under SEPP 33. The PHA should be prepared in accordance with the Department’s publications <i>Hazardous Industry Advisory paper No.6 – Guidelines for Hazard Analysis and Multi-level Risk Assessment</i>. Specific consideration of fatality, irritation, injury and societal risks must be included. Details of contingency plans for any potential incidents and equipment failures during the operation of the project. Details of a proposed monitoring and maintenance regime to be implemented for the project to ensure performance within acceptable risk limits. 	8.6
Consultation Requirements	
<ul style="list-style-type: none"> • Undertake an appropriate and justified level of consultation with the following parties during the preparation of the EA: <ul style="list-style-type: none"> ○ NSW Department of Environment and Conservation ○ NSW Roads and Traffic Authority ○ Wollongong City Council ○ Port Kembla Port Corporation ○ The local community <p>The EA must clearly indicate issues raised by stakeholders during consultation, and how those matters have been addressed in the EA</p> 	2
General Environmental Risk Analysis	
<ul style="list-style-type: none"> • The EA must include an environmental risk analysis (ERA) to identify potential environmental impacts associated with the project (construction and operation), proposed mitigation measures and potentially significant residual environmental impacts after the application of proposed mitigation measures. Where additional key environmental impacts are identified through this ERA, an appropriately detailed impact assessment of these additional key environmental impacts must be included in the EA. 	7.2, 7.3