



Planning & Infrastructure

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Mr Ron Pollock
Principal Planner
GHD Pty Ltd
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PO Box 5403
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Our ref: 10/06910

Dear Mr Pollock

Tomago Cable Manufacturing Project (MP 10_0039) Director-General's Requirements

The Department has received your application for the Tomago Cable Manufacturing 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, 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. If it is subsequently 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:

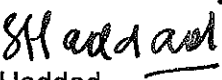
- applicable fee (see Division 1A, Part 15 of the Environmental Planning and Assessment Regulation 2000);
- consultation and public exhibition arrangements; and
- number of copies (hard-copy and CD-ROM) of the Environmental Assessment that will be required for exhibition purposes.

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.

If you have any enquiries about these requirements, please contact Andrew Hartcher on the details listed above.

Yours sincerely


Sam Haddad
Director-General

12/4/2011

Director-General's Requirements

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

Application Number	10_0039
Project	The Tomago Cable Manufacturing Project, which involves the construction and operation of an aluminium rod and cable manufacturing facility and associated infrastructure adjacent to the Tomago Aluminium Smelter in Port Stephens. The facility would be used to process up to a maximum of 55,000 tonnes of aluminium per annum.
Location	School Drive, Tomago (Lot 5&6 DP 270328) in the Port Stephens local government area.
Proponent	Midas Cables International Pty Ltd
Date of Issue	April 2011
General Requirements	The Environmental Assessment of the project must include: • an executive summary; • a detailed description of the following within the site and any associated areas: – historical operations/activities; and – existing and approved operations/facilities, including any statutory approvals that apply to these operations and facilities. • a detailed description of the project, including the: – need for the project; – proposed modifications or upgrades to activities or infrastructure; – alternatives considered; – various components and stages of the project; – likely interactions between existing and proposed operations as well as the project and other land uses in the vicinity of the site; and – plans of any proposed building works; • a risk assessment of the potential environmental impacts of the project, identifying the key issues for further assessment; • a detailed assessment of the key issues specified below, and any other significant issues identified in the risk assessment (see above), which includes: – a description of the existing environment, using sufficient baseline data; – an assessment of the potential impacts of the project, including any cumulative impacts, taking into consideration any relevant guidelines, policies, plans and statutory provisions (see below); – 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 significant risks to the environment; • a statement of commitments, outlining all the proposed environmental management and monitoring measures; • a conclusion justifying the project on economic, social and environmental grounds, taking into consideration whether the project is consistent with the objects of the <i>Environmental Planning & Assessment Act 1979</i>; and • a signed statement from the author of the Environmental Assessment, certifying that the information contained within the document is neither false nor misleading.
Key Issues	• Air Quality and Odour – including: – impacts from construction and operation of the proposed development,

- particularly in relation to odour, fugitive dust and sulphur dioxide;
- details of proposed mitigation measures; and
- cumulative impacts of the combined operation of the project in relation to nearby operations such as the Tomago Aluminium Smelter.

- **Soil and Water** – including:

- details of the proposed water requirements and sources;
- a detailed assessment of potential soil, surface and groundwater impacts, particularly on the nearby Tomago Sandbeds and Hunter River;
- assessment of potential for soil contamination including acid sulphate soils and their management;
- measures to minimise the potential for leakage of fuel and/or other chemicals stored on-site;
- details of proposed erosion and sedimentation controls; and
- details of proposed water requirements, sources of water, usage and efficiency measures, wastewater management, stormwater management, spill containment and bunding.

- **Noise and Vibration** – including construction, operation and traffic noise. The assessment shall particularly consider potential noise impacts from the gas fired furnace, rolling mill and any other noise intensive machinery or equipment used on-site;

- **Flora and Fauna** – including:

- measures to be taken to avoid impacts on biodiversity;
- accurate predictions of the type and amount of vegetation to be cleared;
- a detailed assessment of the potential impacts of the project on any threatened species, populations, ecological communities or their habitats;
- justification for the proposed site layout and access (particularly the proposed haul road), and alternatives considered to minimise impacts;
- where impacts cannot be avoided, measures to mitigate any impacts, including proposed biodiversity offset measures and details of the provision and protection of land for conservation purposes; and
- details of the objectives, ownership and maintenance regime for conservation areas.

- **Waste** – including:

- details of the proposed on-site sewage treatment plant, effluent and waste management processes to be used on-site;
- accurate estimates of the quantity and classification of all potential sources of liquid and non-liquid waste to be utilised and/or generated by the project (particularly from rod manufacturing processes and sewage generation from a large operational workforce); and
- an assessment of the proposed wastewater management regime including how this waste would be handled, stored, processed and, if necessary, disposed of.

- **Traffic** – including:

- details of all traffic types and volumes likely to be generated;
- assessment of predicted impacts on road safety and the capacity of the road network to accommodate the project; and
- assessment of where off site infrastructure works are required as a result of traffic impacts.

- **Hazards and Risk** – including:

- an assessment of the potential hazards and risks associated with the proposed project (particularly from the transport of molten metal, storage of dangerous goods and chemicals) and risks to adjacent industries. A preliminary risk screening must be completed in accordance with *State Environmental Planning Policy No. 33 – Hazardous and Offensive Development* (SEPP 33) and *Applying SEPP 33* (DoP, 2011), and where necessary, a Preliminary Hazard Analysis (PHA) undertaken; and

	- an assessment of bushfire risk in accordance with <i>Planning for Bushfire Protection 2006</i> (DoP). • Greenhouse Gas & Energy Efficiency – including: - a quantitative assessment of the potential greenhouse gas emissions of the project, and qualitative assessment of the potential impacts of these emissions on the environment; and - a detailed description of the measures that would be implemented on site to ensure that the project is energy efficient.
Other Issues	• Heritage – including Aboriginal cultural heritage; and • Visual Amenity - including an assessment of the visual impact of the proposal (height, scale and lighting) on nearby sensitive receivers/operations.
References	The environmental assessment of the key issues listed above must take into account relevant guidelines, policies, and plans. While not exhaustive, the following attachment contains a list of some of the guidelines, policies, and plans that may be relevant to the environmental assessment of this project.
Consultation	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. In particular you must consult with the: • Office of Environment and Heritage; • Department of Primary Industries; • Hunter Water Corporation; • Roads and Traffic Authority; and • Port Stephens Council. The consultation process and the issues raised during this process must be described in the Environmental Assessment.
Deemed Refusal Period	60 days

Technical and Policy Guidelines

Aspect	Policy /Methodology
Air Quality	- Protection of the Environment Operations (Clean Air) Regulation 2002 - Approved Methods for the Modelling and Assessment of Air Pollutants in NSW (DECC) - Approved Methods for the Sampling and Analysis of Air Pollutants in NSW (DECC) - Guidance Note: Assessment of Non-Standard Fuels 2005 (DEC)
Odour	- 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)
Soil and Water	
<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) - NSW State Wetlands Management Policy (DWE) - NSW State Floodplain Management Manual (DWE) - NSW State Farm Dams Policy (DIPNR) - Floodplain Risk Management Guideline: Practical Consideration of Climate Change (DECC)

Groundwater	Technical Guidelines: Bunding & Spill Management (DECC)
	Environmental Guidelines: Use of Effluent by Irrigation (DECC)
	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)
	NSW State Groundwater Dependent Ecosystem Policy (DLWC)
	Murray-Darling Basin Commission. Groundwater Flow Modelling Guideline (Aquaterra Consulting Pty Ltd)
Noise	Guidelines for the Assessment and Management of Groundwater Contamination (DECC) Draft
Noise	NSW Industrial Noise Policy (DECC)
	Environmental Criteria for Road Traffic Noise (NSW EPA)
	Environmental Noise Control Manual (DECC)
Biodiversity	
	Draft Guidelines for Threatened Species Assessment under Part 3A of the Environmental Planning and Assessment Act 1979 (DEC)
Biodiversity	Threatened Species Assessment Guidelines: The Assessment of Significance 2007 (DECC)
Waste	
	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
Traffic and Transport	
	Multi-Level Risk Assessment (DUAP, 1997)
	Guide to Traffic Generating Development (RTA, 2002)
	RTAs Road Design Guide (RTA, 1996)
Hazards and Risks	
	AS/NZS 4360:2004 Risk Management (Standards Australia)
	HB 203: 203:2006 Environmental Risk Management – Principles & Process (Standards Australia)
	State Environmental Planning Policy No 33– Hazardous and Offensive Development (SEPP 33)
	Applying SEPP 33: Hazardous And Offensive Development Application Guidelines (DoP)
	Planning Advisory Paper No. 6 – Guidelines for Hazardous Analysis (DUAP)
	Planning Advisory Paper No. 4 – Risk Criteria for Land Use Safety Planning (DUAP)
Greenhouse Gas	Planning for Bush Fire Protection (NSW Rural Fire Service)
Greenhouse Gas	National Greenhouse Accounts (NGA) Factors 2008
	Guidelines for Energy Savings Action Plans (DEUS)
Heritage	
	Draft Guidelines for Aboriginal Cultural Heritage Impact Assessment and Community Consultation (DEC)
Non-Indigenous	NSW Heritage Manual (NSW Heritage Office & DUAP)

The Burra Charter (The Australia ICOMOS charter for places of cultural significance)

Local Planning

Port Stephens Local Environmental Plan 2000

Port Stephens Development Control Plan 2007
