



NSW GOVERNMENT
Department of Planning

**Major Development Assessment
Manufacturing and Rural Industries**
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Our Ref: S07/00176

Ms Abigail Goldberg
Manidis Roberts
GPO Box 91
SYDNEY NSW 2001

Dear Ms Goldberg

**Incitec Remediation Project (MP 08_0221)
Director General's Requirements – Stage 2**

I refer to your recent advice that the implementation of the Incitec Remediation Project will be staged, and your request for the Director-General's requirements for the project application for Stage 2 of the project.

I have attached a copy of these requirements. Please note that the Director General may alter these requirements at any time.

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); 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 Ann-Maree Carruthers on 9228 6550 or ann-maree.carruthers@planning.nsw.gov.au.

Yours sincerely

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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*

Application Number	MP 08_0221
Project	Incitec Remediation Project – Stage 2, including demolition of structures on site and construction and use of a containment cell(s) for long-term storage of contaminated materials.
Location	Main Road (Lot 1 DP 225720), Boolaroo
Proponent	Incitec Fertilizers Limited
Date of Issue	5 November 2008
General Requirements	<p>The Environmental Assessment must include:</p> <ul style="list-style-type: none"> • an executive summary; • a description of the overall remediation strategy for the site, including the: <ul style="list-style-type: none"> – objectives of the remediation strategy; – proposed staging of the strategy; and – relationship between the various stages of the strategy; • a detailed description of the project, including the: <ul style="list-style-type: none"> – need for the project; – alternatives considered; – Remedial Action Plan for the project, which includes: <ul style="list-style-type: none"> ○ characterisation of the nature and extent of contaminated material; ○ details of the proposed remediation process, including on-site treatment processes; ○ details of proposed remediation management measures, including justification of the remediation criteria and proposed disposal of treated soils and waste; ○ a site validation plan; and ○ details of compliance with the <i>Contaminated Land Management Act 1997</i>; – plans of the proposed containment cell(s), including: <ul style="list-style-type: none"> ○ demonstration that the design and integrity of the cells would be consistent with best practice standards; ○ demonstration that any material incompatibilities between the cell(s) and material to be stored in the cell(s) have been identified. Management procedures to address incompatibility issues must be provided; and ○ demonstration that the cell(s) would adequately contain the materials to be stored without impacting on the surrounding environment; – measures that would be implemented to ensure the project is properly co-ordinated with the adjoining Pasminco Cockle Creek Remediation Project; – final landform following remediation and the compatibility of the final landform with the proposed end use(s) of the site; and – on-going management of the site following remediation works including ownership of the site and the containment cell(s), monitoring and management responsibilities, as well the source of funding for the monitoring and management of the site. • 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:

	<ul style="list-style-type: none"> – a description of the existing environment, using sufficient baseline data; – an assessment of the potential impacts of all stages of the project, including any cumulative impacts that may arise from the combined remediation of the site and the adjacent Pasminco Cockle Creek site, 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 potentially significant risks to the environment; <ul style="list-style-type: none"> • 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>; • 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	<ul style="list-style-type: none"> • Strategic Planning - demonstration that the site, once remediated, would be consistent with the strategic planning for the area; • Air Quality – including a specific focus on the impacts of the contaminants present on site such as heavy metals and particulates, and the proposed air quality monitoring and management procedures during remediation; • Health Impacts – including an assessment of the health implications of the project, during and following remediation, including details of human exposure scenarios and demonstration that the project will not have unacceptable acute or chronic health effects; • Soil and Water – including an assessment of the potential groundwater, stormwater, surface water and leachate impacts; and erosion and sediment controls; • Noise – including demolition, excavation works and traffic; • Waste; • Traffic; and • Heritage.
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	<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.</p> <p>In particular, you must consult with the:</p> <ul style="list-style-type: none"> • Department of Environment and Climate Change, • Department of Water and Energy, • NSW Department of Health; • Mines Subsidence Board; • Lake Macquarie City Council; and • The administrators of the Pasminco Cockle Creek site. <p>The consultation process and the issues raised must be described in the Environmental Assessment.</p>
Deemed Refusal Period	60 days

Guidelines, Policies and Plans

Aspect	Policy /Methodology
Hazards	<p>AS/NZS 4360 Risk Management (Standards Australia)</p> <p>HB 203:2006 Environmental Risk Management – Principals and Process</p>
Contamination	<p>Australian and New Zealand Guidelines for the Assessment and Management of Contaminated Sites (ANZECC & NHMRC)</p> <p>National Environment Protection (Assessment of Site Contamination) Measure (NEPC)</p> <p>Managing Land Contamination - Planning Guidelines SEPP 55 – Remediation of Land (DUAP and EPA)</p> <p>Contaminated Sites: Sampling Design Guidelines (NSW EPA)</p> <p>Contaminated Sites: Guidelines for Consultants Reporting on Contaminated Sites (NSW EPA)</p> <p>Contaminated Sites: Guidelines for the NSW Auditor Scheme (NSW EPA)</p> <p>Contaminated Sites: Guidelines on Significant Risk of Harm from Contaminated Land and Duty to Report (NSW EPA)</p> <p>Guidelines for the Assessment and Management of Groundwater Contamination (DECC)</p>
Air Quality	<p>Approved Methods for the Modelling and Assessment of Air Pollutants in NSW (DEC)</p> <p>Approved Methods for the Sampling and Analysis of Air Pollutants in NSW (DEC)</p> <p>Protection of the Environment Operations (Clean Air) Regulation</p>
Health	<p>Environmental Health Risk Assessment Guidelines for Assessing Human Health Risks from Environmental Hazards (Department of Health and Ageing and enHealth Council)</p>
Soil and Water	
Soil	<p>Managing Urban Stormwater: Soils & Construction (Landcom)</p>
Groundwater	<p>The NSW State Groundwater Policy Framework Document (DLWC)</p> <p>The NSW State Groundwater Quality Protection Policy (DLWC)</p> <p>The NSW State Groundwater Dependent Ecosystems Policy (DLWC)</p> <p>National Water Quality Management Strategy Guidelines for Groundwater Protection in Australia (ARMCANZ/ANZECC)</p> <p>State Groundwater Policy Framework Document (DLWC)</p> <p>the various State Groundwater Policy documents (DNR)</p>
Surface Water	<p>Managing Urban Stormwater: Treatment Techniques (EPA)</p> <p>Managing Urban Stormwater: Source Control. Draft (EPA)</p> <p>Managing Urban Stormwater: Harvesting and Reuse (DEC)</p> <p>National Water Quality Management Strategy - Guidelines For Water Recycling: Managing Health And Environmental Risks (Phase1) (EPHC, NRMCC & AHMC)</p> <p>National Water Quality Management Strategy: Australian and New Zealand Guidelines for Fresh and Marine Water Quality (ANZECC/ARMCANZ);</p> <p>National Water Quality Management Strategy: Australian Guidelines for Water Quality Monitoring and Reporting (ANZECC/ARMCANZ);</p> <p>Using the ANZECC Guidelines and Water Quality Objectives in NSW</p>

	(DEC); Approved Methods for the Sampling and Analysis of Water Pollutants in NSW (DEC)
	EPA technical guidelines 'Bunding and Spill Management'
Noise	
	Industrial Noise Policy (DEC)
	Environmental Criteria for Road Traffic Noise (DEC)
	Environmental Noise Control Manual (DEC)
Waste	
	Waste Classification Guidelines (DECC)
	Environmental guidelines: Solid Waste Landfills (NSW EPA)
Traffic and Transport	
	Guide to Traffic Generating Development (RTA)
	RTAs Road Design Guide (RTA)
Heritage	
<i>Aboriginal</i>	Draft Guidelines for Aboriginal Cultural Heritage Impact Assessment and Community Consultation (DEC)
<i>Non-Indigenous</i>	NSW Heritage Manual (NSW Heritage Office & DUAP)
	The Burra Charter (The Australia ICOMOS charter for places of cultural significance)