



**Major Projects Assessment
Mining & Industry Projects**

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Mr Wal Shepherd
Power Partners Generation
PO Box 6245
West Gosford NSW 2250

Dear Mr Shepherd,

**State Significant Development - Director-General's Requirements
West Narrabri Electricity Generating Facility (SSD-5270)**

I have attached a copy of the Director-General's environmental assessment requirements (DGRs) for the preparation of an Environmental Impact Statement for the West Narrabri Electricity Generating Facility.

These requirements are based on the information you have provided to date and have been prepared in consultation with the relevant government agencies. Their comments, which you should address appropriately when preparing the EIS, are also attached (see Attachment 2.). Please note that the Department may alter these requirements at any time, and that you must consult further with the Department if you do not lodge a development application and EIS for the development within two years of the date of issue of these DGRs. The Department will review the EIS for the development carefully before putting it on public exhibition, and will require you to submit an amended EIS if it does not adequately address the DGRs.

I wish to emphasise the importance of effective and genuine community consultation and the need for proposals to proactively respond to the community's concerns. Accordingly a comprehensive, detailed and genuine community consultation and engagement process must be undertaken during preparation of the EIS. This process must ensure that the community is both informed of the proposal and is actively engaged in issues of concern to them. Sufficient information must be provided to the community so that it has a good understanding of what is being proposed and of the potential impacts.

Your proposal may require a separate approval under Commonwealth *Environment Protection Biodiversity Conservation Act 1999* (EPBC Act). If an EPBC Act approval is required, I would appreciate it if you would advise the Department accordingly, as the Commonwealth approval process may be integrated into the NSW approval process, and supplementary DGR's may need to be issued.

I would appreciate it if you would contact the Department at least two weeks before you propose to submit the development application and EIS for your development. This will enable the Department to:

- confirm the applicable fee (see Division 1AA, Part 15 of the *Environmental Planning and Assessment Regulation 2000*); and
- determine the number of copies (hard-copy and CD-ROM) of the EIS required for review.

If you have any enquiries about these requirements, please contact Emma Barnet on the details above or Kerry Hamann on (02) 9928 6516.

Yours sincerely,

16.5.12

Chris Wilson
Executive Director
Major Projects Assessment
As delegate for the Director-General

Director General's Environmental Assessment Requirements

Section 78A(8A) of the *Environmental Planning and Assessment Act 1979*

State Significant Development

Application Number	SSD - 5270
Development	<p>The West Narrabri Electricity Generating Facility which includes the following key integrated components to be located at the existing Inglegreen Piggery:</p> <ul style="list-style-type: none"> • a biogas collecting and harvesting plant; • an electricity generating facility to utilise piggery biogas (and other supplementary gas) to generate electricity; and • a gas supply and storage system consisting of an underground pipeline and above ground storage tank.
Location	Lot 7 DP 757086, 788-804 'Inglegreen', Narrabri local government area
Applicant	Power Partners Generation Pty Ltd
Date of Issue	May 2012
General Requirements	<p>The Environmental Impact Statement (EIS) for the development must meet the form and content requirements in Clauses 6 and 7 of Schedule 2 of the <i>Environmental Planning and Assessment Regulation 2000</i>.</p> <p>In addition, the EIS must include a:</p> <ul style="list-style-type: none"> • detailed description of the development, including: <ul style="list-style-type: none"> – need for the proposed development; – justification for the proposed development; – likely staging of the development - including construction, and operational stage/s; – likely interactions between the development and existing, approved and proposed operations in the vicinity of the site; – plans of any proposed building works; • consideration of all relevant environmental planning instruments, including identification and justification of any inconsistencies with these instruments; • risk assessment of the potential environmental impacts of the development, identifying the key issues for further assessment; • detailed assessment of the key issues specified below, and any other significant issues identified in this risk assessment, which includes: <ul style="list-style-type: none"> – a description of the existing environment, <u>using sufficient baseline data</u>; – an assessment of the potential impacts of all stages of the development, including any cumulative impacts, taking into consideration relevant guidelines, policies, plans and statutes; and – a description of the measures that would be implemented to avoid, minimise and if necessary, offset the potential impacts of the development, including proposals for adaptive management and/or contingency plans to manage any significant risks to the environment; and • consolidated summary of all the proposed environmental management and monitoring measures, highlighting commitments included in the

	EIS.
Key Issues	<p>The EIS must address the following specific issues:</p> <ul style="list-style-type: none"> • Justification - for the proposed development including its proposed location and scale. • Strategic Landuse Planning – including demonstration that the site is suitable for the proposed development and is consistent with the relevant objectives of the: <ul style="list-style-type: none"> - <i>Narrabri Local Environment Plan 1992 (LEP)</i> and the relevant <i>Development Control Plans (DCP's)</i>, and justify any inconsistencies between the project, LEP and DCP's; and - the <i>Namoi Catchment Action Plan 2010 - 2020 (Namoi CAP 2010-2020)</i>. • Soil and Water Resources – including: <ul style="list-style-type: none"> - a detailed water balance for the development outlining the measures that would be implemented to minimise the use of water on site and measures to ensure an adequate and secure water supply is available; - consideration of potential local and mainstream flooding impacts; - the proposed erosion and sediment controls (during construction); and - the proposed drainage and stormwater management system. • Noise – including a quantitative assessment of potential: <ul style="list-style-type: none"> - construction, operational and traffic noise impacts; and - details of the proposed noise management and monitoring measures. • Air Quality and Odour – including: <ul style="list-style-type: none"> - a risk assessment of the potential discharges of fugitive and point source emissions from the development, including air dispersion modeling where there is a demonstrated risk or uncertainty regarding adverse impacts on surrounding landowners and sensitive receptors; and - details of the proposed management and monitoring measures. • Greenhouse Gas – including: <ul style="list-style-type: none"> - a quantitative assessment of the potential scope 1, 2 and 3 greenhouse gas emissions of the development, and a 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 development is energy efficient. • Hazards and Risks – including a screening of potential hazards on site to determine the potential for offsite impacts and if a Preliminary Hazard Analysis (PHA) is required. If required, a PHA must be prepared in accordance with the <i>Department's Hazardous Industry Planning Advisory Paper No. 6 - Guidelines for Hazard Analysis</i> and must: <ul style="list-style-type: none"> - consider the risks from the proposal; and - demonstrate that the proposal would comply with the criteria set out in <i>Hazardous Industry Planning Advisory Paper No. 4 - Risk Criteria for Land Use Safety Planning</i>. • Socio-Economic – including: <ul style="list-style-type: none"> - a comprehensive assessment of the potential economic and social impacts of the development, demonstrating that it would have a net benefit for the local & regional communities and NSW; and - a detailed description of measures that would be implemented to minimise any adverse social and economic impacts. • Traffic and Transport – including: <ul style="list-style-type: none"> - details of traffic types and volumes likely to be generated during construction and operation;

	<ul style="list-style-type: none"> - an assessment of the predicted impacts of this traffic on the safety and capacity of the surrounding road network; - details of key transport routes, site access, internal roadways, infrastructure works and parking; and - details of any proposed Highway crossings for water, gas pipelines or electricity lines. • Heritage – including <ul style="list-style-type: none"> - the potential Aboriginal and non-Aboriginal heritage impacts of the development and any actions that would be taken to avoid or mitigate any impacts; and - community consultation with Aboriginal communities in relation to the impacts. • Waste Management – including: <ul style="list-style-type: none"> - details of the quantities and classification of waste to be generated on site; - details on waste storage, handling and disposal; and - the measures that would be implemented to ensure that the development is consistent with the aims, objectives and guidance in the <i>NSW Waste Avoidance and Resource Recovery Strategy 2007</i>. • Visual – including: <ul style="list-style-type: none"> - an assessment of the potential visual impacts of the development on the amenity of the surrounding area; and - a detailed description of the measures that would be implemented to minimise the visual impacts of the development. • Flora and Fauna.
Plans and Documents	The EIS must include all relevant plans, architectural drawings, diagrams and relevant documentation required under Schedule 1 of the <i>Environmental Planning and Assessment Regulation 2000</i> . These documents should be included as part of the EIS rather than as separate documents.
Consultation	<p>During the preparation of the Environmental Impact Statement, 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"> • Environmental Protection Authority; • Office of Environment and Heritage; • NSW Office of Water; • Transport for NSW (including Roads and Maritime Service); • Narrabri Shire Council; and • the local community and stakeholders. <p>The EIS must describe the consultation process and the issues raised, and identify where the design of the development has been amended in response to these issues. Where amendments have not been made to address an issue, a short explanation should be provided.</p>
Further consultation after 2 years	If you do not lodge an EIS for the development within 2 years of the issue date of these DGRs, you must consult with the Director-General in relation to the requirements for lodgement.
References	The assessment of the key issues listed above must take into account relevant guidelines, policies, and plans as identified. While not exhaustive, Attachment 1 contains a list of some of the guidelines, policies, and plans that may be relevant to the environmental assessment of this development.

ATTACHMENT 1 Technical and Policy Guidelines

The following guidelines may assist in the preparation of the Environmental Impact Statement. This list is not exhaustive and not all of these guidelines may be relevant to your proposal.

Many of these documents can be found on the following websites:

<http://www.planning.nsw.gov.au>

<http://www.bookshop.nsw.gov.au>

<http://www.publications.gov.au>

Policies, Guidelines & Plans

Risk Assessment	
	AS/NZS 4360:2004 Risk Management (Standards Australia)
	HB 203: 203:2006 Environmental Risk Management – Principles & Process (Standards Australia)
Water Resources	
<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)
	Using the ANZECC Guideline and Water Quality Objectives in NSW (DEC)
	State Water Management Outcomes Plan
	Water Sharing Plan for the Hunter Unregulated and Alluvial Water Sources 2009
	NSW Government Water Quality and River Flow Objectives (DECC)
	Approved Methods for the Sampling and Analysis of Water Pollutants in NSW (DEC)
	Managing Urban Stormwater: Soils & Construction (Landcom) and associated Volume 2E: Mines and Quarries.
Managing Urban Stormwater: Treatment Techniques (DECC)	
Managing Urban Stormwater: Source Control (DECC)	
Floodplain Development Manual (DIPNR)	
Floodplain Risk Management Guideline (DECC)	
A Rehabilitation Manual for Australian Streams (LWRRDC and CRCCH)	
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, 1997)	
NSW State Groundwater Quality Protection Policy (DLWC, 1998)	
NSW State Groundwater Quantity Management Policy (DLWC, 1998)	
<i>Groundwater</i>	Murray-Darling Basin Groundwater Quality. Sampling Guidelines. Technical Report No 3 (MDBC)
	Murray-Darling Basin Commission. Groundwater Flow Modelling Guideline (Aquaterra Consulting Pty Ltd)
	Guidelines for the Assessment & Management of Groundwater Contamination (DECC, 2007)
	Any relevant Water Sharing Plan for groundwater and surface water resources
Noise	

	NSW Industrial Noise Policy (DECC)
	Environmental Noise Management – Assessing Vibration: a technical guide (DEC)
	NSW Road Noise Policy (DECCW)
Air Quality	
	Protection of the Environment Operations (Clean Air) Regulation 2002
	Approved Methods for the Modelling and Assessment of Air Pollutants in NSW (DEC)
	Approved Methods for the Sampling and Analysis of Air Pollutants in NSW (DEC)
Greenhouse Gases	
	National Greenhouse Accounts Factors (Australian Department of Climate Change (DCC))
	Guidelines for Energy Savings Action Plans (DEUS)
Hazards	
	State Environmental Planning Policy No. 33 – Hazardous and Offensive Development
	Hazardous and Offensive Development Application Guidelines - Applying SEPP 33
	Hazardous Industry Planning Advisory Paper No. 4 – Risk Criteria for Land Use Safety Planning
	Hazardous Industry Planning Advisory Paper No. 6 – Guidelines for Hazard Analysis
Socio-Economic	
	Draft Economic Evaluation in Environmental Impact Assessment (DoP)
	Techniques for Effective Social Impact Assessment: A Practical Guide (Office of Social Policy, NSW Government Social Policy Directorate)
Traffic & Transport	
	Guide to Traffic Generating Development (RTA)
	Road Design Guide (RTA)
Visual	
	Control of Obtrusive Effects of Outdoor Lighting (Standards Australia, AS 4282)
	State Environmental Planning Policy No 64 - Advertising and Signage
Heritage	
<i>Aboriginal</i>	Draft Guidelines for Aboriginal Cultural Heritage Assessment and Community Consultation (DEC 2005)
	The Burra Charter (The Australia ICOMOS charter for places of cultural significance)
<i>Historic</i>	NSW Heritage Manual (NSW Heritage Office)
	The Burra Charter (The Australia ICOMOS charter for places of cultural significance)
Waste	
	Waste Classification Guidelines (DECC)
Biodiversity	
	Threatened Species Survey and Assessment Guidelines: Field Survey Methods for Fauna – Amphibians (DECCW 2009)
	Threatened Biodiversity Survey and Assessment: Guidelines for Developments and Activities – Working Draft (DECC 2004)
	Threatened Species Assessment Guidelines: the Assessment of Significance (DECC 2007)
	Guidelines for Threatened Species Assessment (DoP 2005)
	NSW State Groundwater Dependent Ecosystem Policy (DLWC)
	Policy & Guidelines - Aquatic Habitat Management and Fish Conservation (NSW Fisheries)
	Policy & Guidelines - Fish Friendly Waterway Crossings (NSW Fisheries)

ATTACHMENT 2
Agency Input into Key Assessment Issues