

## APPENDIX A - G

Appendix A Record of Minister's Opinion Appendix B Authorisation of Concept Plan

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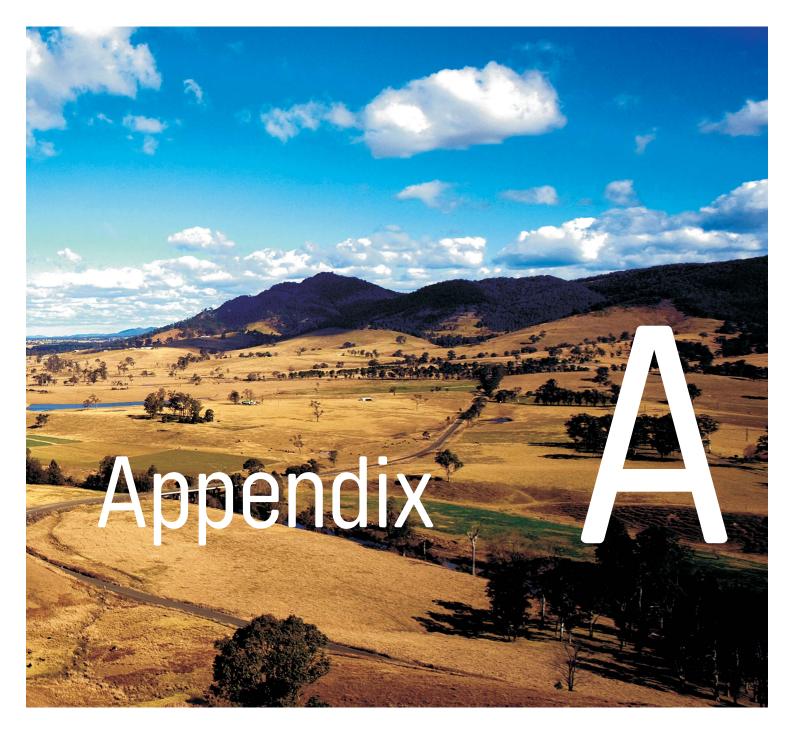
Air Quality Assessment Appendix F Ecological Assessment Appendix G

Prepared for AGL Gloucester L E Pty Ltd 22 Tate Street | Gloucester | New South Wales | 2422 www.agl.com.au



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Appendix A Record of Minister's Opinion



LUCAS ENERGY RECEIVED 02 JUN 2008

28 May 2008

Contact: Dinuka McKenzie Phone: 02 9228 6348

Fax: 02 9228 6355

Email: dinuka.mckenzie@planning.nsw.gov.au

Mr John Whaley Commercial Manager Lucas Energy Level 8, 160 Queen Street MELBOURNE VIC 3000

Dear Mr Whaley

### **Proposed Gloucester Coal Bed Methane Development Project**

Please be advised that on 21 May 2008, the Director-General of the Department of Planning. under delegation from the Minister for Planning, formed the opinion under clause 6 of the State Environmental Planning Policy (Major Projects) 2005 (Major Project SEPP) that the abovementioned project is development of a kind that is described in Schedule 1 of the Major Project SEPP.

The project is therefore declared to be a Major Project under Part 3A of the Environmental Planning and Assessment Act 1979 and will be subject to determination by the Minister for Planning. I have enclosed a copy of the record of the Director-General's opinion for your information and reference.

Please do not hesitate to contact me on the above details should you wish to discuss or clarify this matter.

Yours sincerely

Dinuka McKenzie

A/ Senior Planner - Water and Energy

**Major Infrastructure Assessments** 



# Record of Minister's opinion for the purposes of Clause 6(1) of the State Environmental Planning Policy (Major Projects) 2005

I, the Director-General of the Department of Planning, as delegate of the Minister for Planning under delegation executed on 31 October 2005, have formed the opinion that the development described in the Schedule below, is development of a kind that is described in Schedule 1 of the State *Environmental Planning Policy (Major Projects) 2005* – namely clause 26A "Development for the purposes of a pipeline in respect of which a licence is required under the *Pipelines Act 1967*", and is thus declared to be a project to which Part 3A of the *Environmental Planning and Assessment Act 1979* applies for the purpose of section 75B of that Act.

#### Schedule

A proposal to establish and operate the Gloucester Coal Bed Methane Development Project, including: a gas transmission line from near Stratford to near Hexham; central processing facilities including compression near Stratford; and field development within PEL 285 principally comprising wells and gathering lines.

Sam Haddad Director-General

Date: 21 5 2008.



Appendix B Authorisation of Concept Plan



Record of Minister's authorisation of a Concept Plan under section 75M(1) of the Environmental Planning and Assessment Act 1979

I, the Minister for Planning, authorise the submission of a Concept Plan for the development described in the Schedule below.

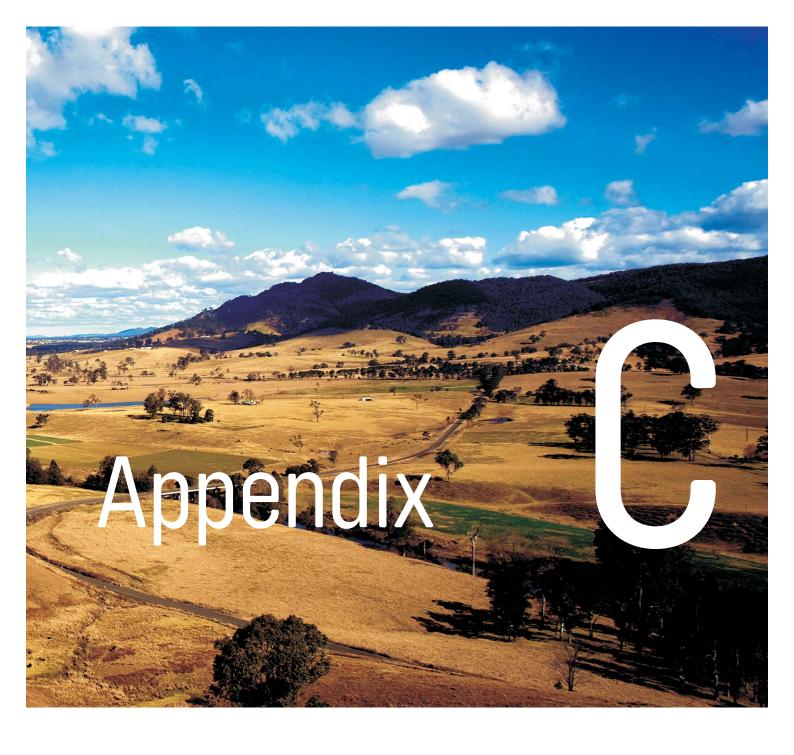
### **Schedule**

The proposed construction and operation of the Gloucester Coal Seam Gas project involving the extraction, compression and piping of high pressure gas from approximately Stratford to Hexham in the Gloucester, Greater Lakes, Dungog, Port Stephens, Maitland and Newcastle local government areas, generally as described in the document titled "Gloucester Coal Seam Gas Project Concept Plan and Preliminary Assessment Report" dated June 2008 and prepared by GHD Pty Ltd for the Lucas Energy and Molopo Australia Joint Venture.

Frank Sartor

Minister for Planning

Date:



Appendix C Environmental Assessment Requirements

Contact: Dinuka McKenzie Phone: (02) 9228 6348 Fax: (02) 9228 6355

mail: <u>Dinuka.McKenzie@planning.nsw.gov.au</u>

Our ref: S08/00826 Your ref:

Mr Stuart Galway
Land and Approvals Manager
Lucas/ Molopo Joint Venture
22 Tate Street
GLOUCESTER NSW 2422

### Dear Mr Galway

### Proposed Gloucester Coal Seam Gas Project (MP08\_0154), Multiple Local Government Areas

The Department has received your major project application for the Gloucester Coal Seam Gas Project, which comprises:

- · a concept plan application for:
  - o gas wells and gathering lines within a Field Area;
  - o a Central Processing Facility; and
  - o an approximately 1 kilometre width pipeline corridor between Stratford and Hexham, and
- · concurrent project applications for:
  - o 60-90 gas wells and gathering lines within a sub-area of the total concept plan Field Area;
  - the Central Processing Facility; and
  - o an approximately 100 metre wide pipeline corridor within the 1 kilometre width concept plan pipeline corridor, between Stratford and Hexham.

I wish to advise that on the 4 August 2008, the Acting Minister for Planning, the Hon. John Hatzistergos, authorised the submission of a concept plan for the Gloucester Coal Seam Gas Project in accordance with section 75M(1) of the *Environmental Planning and Assessment Act 1979* (the Act). A copy of the concept plan authorisation is enclosed for your information.

I have also attached a copy of the Director-General's requirements (DGRs) for the preparation of an Environmental Assessment for the concept plan and the part project applications. These requirements have been prepared following the Planning Focus Meeting held on Monday 21 July 2008 and in consultation with the relevant government agencies.

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.

Given the scale of the proposal, the Director-General's requirements have been drafted with a particular focus on a tiered assessment of impacts. With respect to each relevant impact, the Environmental Assessment should present a considered screening of potential impacts along the length of the proposal, to identify areas of potentially significant impact for further, more detailed assessment. Sufficient information must be provided in the Environmental Assessment to demonstrate the likely impacts and acceptability of the proposal at a concept plan and project level, (depending of the proposal component). In addition to the assessment of the areas of potentially significant impact, other areas along the length of the proposal should be assessed in a more general manner, with a particular focus on the development of frameworks for the mitigation, management and monitoring of more minor and generic environmental issues. The Environmental Assessment must be prepared using valid and accepted technical and scientific tools and

methodologies, focussing on key environmental impacts and robust mitigation measures to address potential impacts from the proposal.

I would appreciate it if you could contact the Department at least two weeks before you propose to submit the Environmental Assessment for the proposal to determine:

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

Prior to exhibiting the Environmental Assessment, the Department will review the document to determine if it adequately addresses the DGRs. The Department may consult with other relevant government agencies in making this decision. If the Director-General considers that the Environmental Assessment does not adequately address the DGRs, the Director-General may require the Proponent to revise the Environmental Assessment to address the matters notified to the Proponent. Following this review period the Environmental Assessment will be made publicly available for a minimum period of 30 days.

If your proposal includes any actions that could have a significant impact on matters of National Environmental Significance, it will require an additional approval under the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act). This approval would be in addition to any approvals required under NSW legislation and it is your responsibility to contact the Department of the Environment, Heritage, Water and the Arts to determine if an approval under the EPBC Act is required for your proposal (6274 1111 or http://www.environment.gov.au).

Please note that the Commonwealth Government has accredited the NSW environmental assessment process for assessing impacts on matters of National Environmental Significance. As a result, if it is determined that an approval is required under the EPBC Act, please contact the Department immediately as supplementary Director-General's requirements will need to be issued.

If you have any enquiries about these requirements, please contact Ms Dinuka McKenzie, Senior Environmental Planning Officer, Major Infrastructure Assessments on 02 9228 6348 or via email (dinuka.mckenzie@planning.nsw.gov.au).

26.8.0P

Yours sincerely

Chris Wilson

**Executive Director** 

as delegate for the Director-General

# Director-General's Requirements

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

Concept Plan	Construction and operation of the Gloucester Coal Seam Gas Project, comprising:  a concept plan application for:  gas wells and gathering lines within a Field Area;  a Central Processing Facility; and  an approximately 1 kilometre width pipeline corridor between Stratford and Hexham; and  concurrent project applications for:  60-90 gas wells and gathering lines within a sub-area of the total concept plan Field Area;  the Central Processing Facility; and  an approximately 100 metre wide pipeline corridor within the 1 kilometre width concept plan pipeline corridor, between Stratford and Hexham.
Site	Land required for the proposal generally between Stratford and Hexham in the Gloucester Shire, Great Lakes Shire, Dungog Shire, Port Stephens, Maitland City, and Newcastle City local government areas.
Proponent	Lucas/ Molopo Joint Venture
Date of Issue	26 August 2008
Date of Expiration	26 August 2010
General Requirements	<ul> <li>The Environmental Assessment (EA) must include:</li> <li>an executive summary;</li> <li>a description of the concept plan and the part projects at an appropriate level of detail, including: <ul> <li>an outline of the overall concept plan development including potential phasing of future stages; and</li> <li>construction and operation details for the part projects including potential operational and construction staging.</li> <li>consideration of relevant statutory provisions for the concept plan and part projects including consistency with the objects (section 5) of the Environmental Planning and Assessment Act 1979;</li> <li>an assessment of the key issues specified below for the concept plan and part projects considering construction and operational impacts and cumulative impacts, as relevant;</li> <li>a draft Statement of Commitments outlining further investigation/ design considerations for the concept plan; and environmental management, mitigation, offset and/ or monitoring measures for the part projects, clearly identifying any measures which would apply across all three of the projects.</li> <li>a conclusion justifying the concept plan as a whole and each of the part projects taking into consideration their environmental, social and economic impacts; the suitability of the site; and the public interest; and</li> <li>certification by the author of the EA that the information contained in the assessment is neither false nor misleading.</li> </ul> </li> </ul>
Key Assessment Requirements	<ul> <li>The EA must include an assessment of the following key issues:</li> <li>Strategic Planning and Justification – the EA must include a strategic assessment of the need, scale, scope and location of the concept plan as a whole and its component projects, considering the availability and location of gas reserves, areas of gas demand and expected demand growth, and pipeline network constraints. The assessment must describe alternatives considered (location and/ or design) and provide justification for the preferred proposal demonstrating how it achieves the stated objectives of the concept plan and part projects. The EA must clearly demonstrate the benefits of the concept plan and the part projects at a strategic and local scale.</li> <li>Landuse and Infrastructure – the EA must include a justified and tiered assessment of impacts to landuse and infrastructure including:         <ul> <li>an assessment of the impacts of the proposal on directly affected land and on surrounding landuse (including on mineral reserves, conservation areas, land of</li> </ul> </li> </ul>

high agricultural value and land of significant scenic or visual value) considering: local and strategic landuse objectives, impacts on future development potential. land severance and sterilisation impacts, and any development pressures and/ or economic opportunity that may be supported or generated as a result of the proposal in the surrounding area. The EA must identify the likely post-activity landuse and the rehabilitation/ decommissioning measures that will be implemented to achieve this; and identification of major infrastructure (including rail, road, electricity, gas and water supply infrastructure) that may be impacted by the proposal including how the infrastructure would be traversed (where relevant) and options for mitigating and managing conflicts between the project and infrastructure (including traffic disruptions, alternative access arrangements etc). Flora and Fauna Impacts - the EA must include a justified and tiered assessment of impacts on biodiversity including on aquatic and riparian habitat values and threatened species and communities listed under both State and Commonwealth legislation, including: a review of bioregions that will be or may be impacted by the proposal across its length; for each identified bioregion, include a screening of species, populations, ecological communities and habitats based on ecological significance and the potential for impact as a consequence of the proposal; for species, populations, ecological communities and habitats with high ecological significance and significant potential for impact, include sufficient information to demonstrate the likely impacts and their acceptability, consistent with Guidelines for Threatened Species Assessment (DEC, July 2005); an outline of any proposed compensatory habitat or off-set strategy, including scale, scope and timing of implementation, considering region-based ecological outcomes, including habitat connectivity and distribution of species; and demonstrating a design philosophy of impact avoidance on ecological values, and in particular, ecological values of high significance. Indigenous and Non-Indigenous Heritage - the EA must include a justified and tiered assessment of impacts to indigenous and non-indigenous heritage, including: sufficient information to demonstrate the likely impacts of the proposal on indigenous heritage values (archaeological and cultural), consistent with Guidelines for Aboriginal Cultural Impact Assessment and Community Consultation (DEC, July 2005) including measures to avoid, minimise, manage and/ or offset impacts. The EA must demonstrate effective consultation with indigenous stakeholders in determining impacts and developing mitigation options; and sufficient information to demonstrate the likely impacts of the proposal on nonindigenous heritage values (including heritage vistas) consistent with the guidelines in the NSW Heritage Manual. Where impacts to State or local nonindigenous heritage items are proposed, a statement of heritage significance must be included and measures identified to mitigate and mange impacts. Surface and Groundwater - the EA must include a justified and tiered assessment of impacts on surface and groundwater, including: quantification of the coal seam groundwater volumes likely to be require extraction as part of the Field Area (including future stages of the concept plan) and an assessment of the impact of that extraction on existing groundwater resources and users, including measures to monitor and mitigate impacts, as necessary; identification of how extracted water would be stored, used, disposed of and/ or resupplied to other users at the Central Processing Facility; identification of watercourses to be traversed by the proposal or otherwise impacted by activities within the riparian corridor and an assessment of how the hydrology, water quality, aquatic habitat and riparian vegetation of the watercourses would be protected during the construction and operation of the proposal; and an assessment of erosion and sedimentation risk associated with the proposal, particularly in areas of acid sulphate soils and measures to contain and manage

**Noise and Vibration** – the EA must include a justified and tiered assessment of the noise and vibration risks associated with the proposal including an operational noise

impacts.

impact assessment of the Central Processing Facility project consistent with *NSW Industrial Noise Policy* (EPA, 2000) and an assessment of construction noise and vibration impacts (including of construction traffic noise and blasting impacts, where relevant) considering measures to mitigate, manage and monitor impacts.

- Traffic and Transport the EA must include a justified and tiered assessment of the
  construction and operational traffic impacts of the proposal including identification of
  construction haulage routes, assessment of any significant construction disruptions to
  road traffic or access (and associated control measures, including alternative access
  arrangements, and road upgrade requirements for operational access and/or
  construction traffic (e.g. over-size haulage).
- Hazards and Risk Impacts the EA must include a screening of potential hazards likely to be associated with the proposal to determine the potential for off site impacts and any requirement for a Preliminary Hazard Analysis (PHA), consistent with the approach outlined in Department's Hazardous Industry Planning Advisory Paper No. 3, Hazardous Industry Planning Advisory Paper No. 6 and Multi-level Risk Assessment, and with reference to applicable Australian Standards (including AS2885 Pipelines Gas and Liquid Petroleum Operation and Maintenance). Risk impacts associated with the transport of dangerous goods and hazardous materials must be documented with reference to the Department's draft Route Selection guideline. The EA must specifically consider on-going maintenance and safety management of the proposal, including of bush fire risk.
- Air Quality and Greenhouse Gases the EA must include a justified and tiered assessment of the risk of fugitive dust, odour and flare impacts during the construction and operation of the part projects and identify measures to mitigate impacts. The EA must also include a quantitative greenhouse gas assessment of the proposal. Emission levels must be expressed on the basis of tonnes per unit of production, total annual emissions and total emissions during the project life, and as a percentage of total annual NSW and national emissions. If a greenhouse gas offset is proposed, full details of this offset(s) must be included in the EA.
- General Environmental Risk Analysis notwithstanding the above key assessment requirements, the EA must include an environmental risk analysis to identify potential environmental impacts associated with the proposal (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 this additional key environmental impact must be included in the EA.

#### Consultation Requirements

You must undertake an appropriate and justified level of consultation with relevant government authorities, service providers, and stakeholders during the preparation of the EA, including (but not necessarily limited to):

- NSW Department of Environment and Climate Change;
- NSW Department of Water and Energy;
- NSW Department of Primary Industries;
- NSW Roads and Traffic Authority;
- NSW Rural Fire Service;
- Australian Rail Track Corporation;
- · Gloucester Shire Council;
- Great Lakes Shire Council;
- · Dungog Shire Council;
- Port Stephens Council;
- Maitland City Council;
- Newcastle City Council; and
- the local community and land owners.

The EA must clearly indicate issues raised by stakeholders during consultation, and how those matters have been addressed in the EA.



Contact: Dinuka McKenzie Phone: (02) 9228 6348 Fax: (02) 9228 6355

Fax: (02) 9228 6355

Email: <u>Dinuka.McKenzie@planning.nsw.gov.au</u>

Our ref: \$08/00826

Your ref:

Ms Ruth Baker Principal Environmental Consultant AECOM PO Box 726 PYMBLE NSW 2073

Dear Ms Baker

### Gloucester Gas Project - Supplementary Director-General's Requirements

I refer to your letter on behalf of AGL Gloucester Pty Ltd (the Proponent) dated 11 August 2009 identifying changes to the Gloucester Gas Project for which concept plan and concurrent project approval is being sought. The changes involve:

- the inclusion of an alternative location for the construction of the Central Processing Facility on the basis that only one location would be developed;
- inclusion of a small scale 15 megawatt ancillary power station facility within the footprint of the Central Processing Facility;
- inclusion of a construction workforce camp for drilling activities in the Stage 1 Gas Field Development Area and during the construction of the gas pipeline; and
- minor amendments to the alignment of the gas pipeline corridor.

The Director-General confirms that the environmental assessment requirements issued on 26 August 2008 and 19 October 2008 would apply to the amended project including to the transmission line connection for the ancillary power station facility.

Furthermore, the following additional requirements would apply to the ancillary power station component:

- a comprehensive air quality impact assessment prepared in accordance with the Approved Methods for Modelling and Assessment of Air Pollutants in NSW (DEC 2005), with particular focus on nitrogen oxides and particulates. The assessment must consider worst-case operating scenarios and meteorological conditions and potential cumulative impacts from surrounding mining operations;
- an assessment of potential operational noise impacts consistent with NSW Industrial Noise Policy (EPA, 2000); and
- consideration of potential risks to aviation safety from stack emissions.

You must ensure that the Environmental Assessment adequately addresses the Director-General's requirements issued on 26 August 2008, 19 October 2008 and the requirements identified in this letter.

If you have any enquiries about these requirements, please contact Ms Dinuka McKenzie, Senior Environmental Planning Officer, Major Infrastructure Assessments on 02 9228 6348 or via email (dinuka.mckenzie@planning.nsw.gov.au).

ours sincerely

25.5.09

Enris Wilson

Executive Director, Major Project Assessments as delegate for the Director-General



Contact: Dinuka McKenzie Phone: (02) 9228 6348 Fax: (02) 9228 6355

Email: <u>Dinuka.McKenzie@planning.nsw.gov.au</u>

Mr Stuart Galway Land and Approvals Manager Lucas/ Molopo Joint Venture 22 Tate Street GLOUCESTER NSW 2422 Our ref: S08/00826

Your ref:

### Dear Mr Galway

### Gloucester Coal Seam Gas Project - Supplement to the Director-General's Requirements

I refer to the Director-General's requirements issued for the above Project on 26 August 2008.

As you are aware, the project has been declared a Controlled Action under the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act). As a result, the Department of Planning, on behalf of the Minister for Planning, has confirmed to the Commonwealth that the Bilateral Agreement between the NSW and Commonwealth Governments will apply. Accordingly, the Department will undertake an environmental impact assessment of the project to satisfy the requirements of both NSW and Commonwealth legislation.

To ensure that sufficient information is provided to enable an appropriate level of assessment of relevant controlling actions, the Director-General has issued supplementary requirements for the Environmental Assessment under section 75F(3) of the *Environmental Planning and Assessment Act 1979*. A copy of the supplementary Director-General's requirements is attached.

You must ensure that the Environmental Assessment adequately addresses the Director-General's requirements issued on 26 August 2008, and the supplementary requirements attached to this letter.

If you have any enquiries about these requirements, please contact Ms Dinuka McKenzie, Senior Environmental Planning Officer, Major Infrastructure Assessments on 02 9228 6348 or via email (dinuka.mckenzie@planning.nsw.gov.au).

Yours sincerely

Chris Wilson

**Executive Director** 

19.10.00

as delegate for the Director-General

### Supplementary Director-General's Requirements

### Section 75F(3) of the Environmental Planning and Assessment Act 1979

The Gloucester Coal Seam Gas Project (reference: MP08\_0154, EPBC 2008/4432) has been declared to be a Controlled Action under the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act). The relevant controlling provisions are sections 16 and 17B (wetlands of international importance) and 18 and 18A (listed threatened species and ecological communities) of the EPBC Act.

Under the provisions of the bilateral agreement between New South Wales and the Commonwealth, the environmental impacts of the controlled action will be assessed under Part 3A of the *Environmental Planning & Assessment Act 1979*.

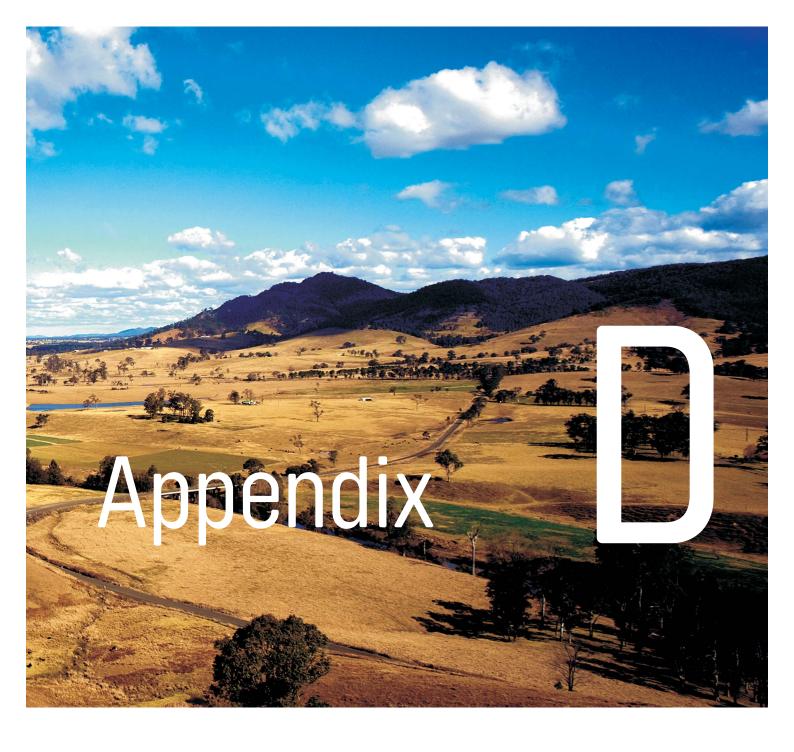
To enable the assessment of impacts on the protected matters/ controlling provisions under the EPBC Act, the Director-General's requirements issued for the project on 26 August 2008 are supplemented with the following additional requirements.

The Environmental Assessment (EA) must include:

- a description of the controlled action;
- a description of the relevant impacts<sup>1</sup> of the controlled action;
- a description of feasible mitigation measures or compensatory measures, changes to the controlled action or procedures, which have been proposed by the proponent or suggested in public submissions, and which are intended to prevent or minimise relevant impacts;
- to the extent practicable, a description of any feasible alternatives to the controlled action that have been identified through the assessment, and their likely impact;
- an assessment of the following matters:
  - all relevant impacts that the controlled action has, will have or is likely to have on the
    ecological character of the Hunter Estuary Wetlands, a wetland of international
    importance listed under sections 16 and 17B of the EPBC Act and on any species or
    ecological communities potentially present and listed under sections 18 and 18A of
    the EPBC Act; and
  - where Potential Acid Sulphate Soils (PASS) are encountered, include information on the elevation of the affected area, the depth and extent of drilling and proposed methods for soil management; and identify risks and provide details of mitigation measures in relation to impacts from PASS, including impacts on the Hunter Estuary Wetlands listed under sections 16 and 17B of the EPBC Act;
- sufficient information about the controlled action and its relevant impacts to allow an informed decision whether or not to approve the controlled action under the EPBC Act;
- information to address the matters outlined in Schedule 4 of the Commonwealth Environment Protection and Biodiversity Conservation Regulation 2000; and
- details of consultation undertaken with the Department of the Environment, Water, Heritage and the Arts during the preparation of the EA clearly indicating the issues raised and how the matters have been addressed in the EA.

The description and assessment of these issues in the Environmental Assessment must be integrated as far as is practicable with the description and assessment of the other flora and fauna impacts of the project. However, a separate stand alone chapter or summary specifically addressing impacts on the relevant protected matters/ controlling provisions under the EPBC Act, together with any commitments or proposed measures to mitigate such impacts, should also be included in the Environmental Assessment.

<sup>&</sup>lt;sup>1</sup> The term "relevant impact" is defined in section 82 of the EPBC Act.



Appendix D Minutes of Planning Focus Meeting



**ENSR Australia Pty Ltd (ENSR)** ABN 34 060 204 702 PO Box 726 PYMBLE NSW 2073 T+61 2 8484 8999 F+61 2 8484 8989 www.ensr.com.au

### **Meeting Minutes**

MEETING Lucas Energy PFM

DATE 23 July 2008 TIME 10:30 am

MEETING # 1

PRESENT Mark Hartwell - DECC Newcastle, Fergus Hancock, DWE Newcastle, Melissa Thomas - Port Stevens Council,

Steve Cousins, DPI, Glen Wilcox - Gloucester Council, Paul Bilston - GM Lucas, Ned Osbourne, Alan Borden,

Dungog Council, Michael England - ENSR Aust, Ruth Kelly - ENSR Aust

APOLOGIES Nil

CC Nil

CHAIR/TEAM Stuart Galway - Lucas Energy

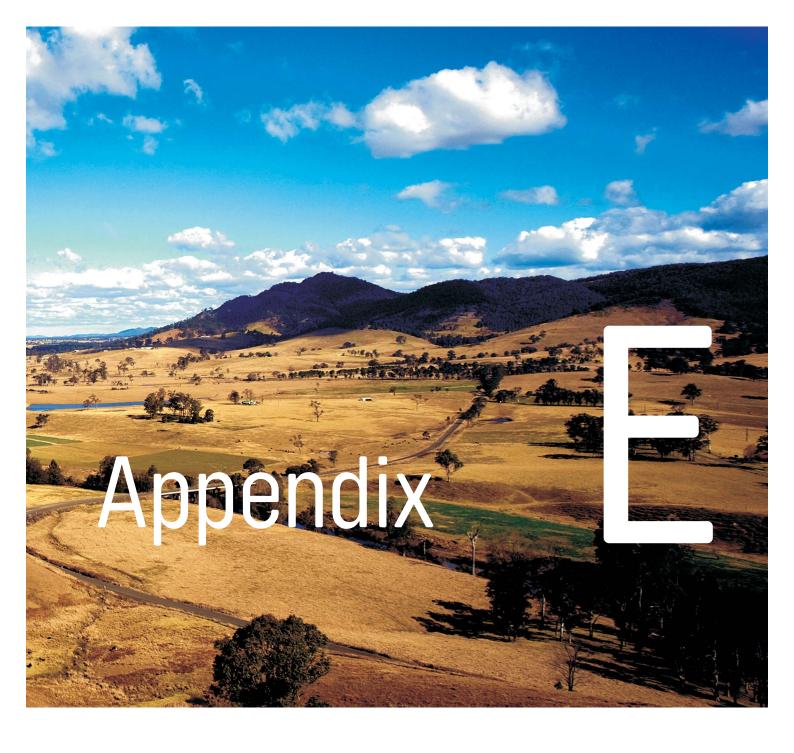
LEADER

MINUTES Ruth Kelly

Issue/Query	ACTION/RESPONSE
What is the longevity of the wells?	15yr life project up to 25yrs pipeline 80yr life. 15-20 yrs, 7-10 yrs depending on gas
Clarify approval pathway and the staging of well fields	Noted for inclusion in the EA
When anticipate PPL timing	Same as major project applications
Need to talk to RTA & Rail to confirm use of easements	Yes, initial contact made
Interaction with other infrastructure and utilities easements	Spoken to Country Energy and Transgrid
Consulting with DEWHA	Not yet but likely referral same time as finalisation of Preliminary Environmental Assessment (PEA) submitted to Department of Planning.
When would the PEA be submitted	1 to 2 weeks after the Planning Focus Meeting
How long wells there before spread contracts? 10-12 days permissibility	
Would there be flaring at night – there is current flaring in relation to the Stratford Pilot Project – does that generate any light pollution?	No - only a low glow from 2 small points as the flares at the Stratford Pilot Project are all enclosed.
What is the Ph in dams	8+
What are the well pad sizes?	Predominantly 60 x 60 or 90 x 90 m when constructed but then contracts after construction to a much smaller size
How much water is expected to be generated from the wells	Using the Stratford Pilot Project as a guide, 80,000 L/day each day each well was expected – resulted in 10-15,000 L/day in actuality

	ISSUE/QUERY	Action/Response
Po	rt St.	
1.	Notification / consultation regarding use of utilities easements Koalas	Noted for inclusion in EA process
	oucester	
1.	Noise CPF immersion layers (given background lower)	Noted for inclusion in EA process
3.	On site water management Site access heavy equipment and impacts on roads	
	Habitats Gas/Coal exploration balance in context of long term plan. Similarly overall future development of valley and potential conflicting land uses	
DV		
1.	Compliance for construction & design CEMP compliance Safe operation	Noted for inclusion in EA process
DF	· · · · · · · · · · · · · · · · · · ·	
1.	Agricultural & Fisheries input required from DPI	Noted for inclusion in EA process
2.	Safety to be addressed including wells & lines	
3.	Competing resources issues (i.e. coal v gas – DPI noted no objections based on coal resource stabilisation)	
4. 5.	Pipeline on underlaying coal resources Plan well locations from existing mine plans	
GF	R Lakes	
	Justification for pipeline project – power, domestic or commercial quantity	Noted for inclusion in EA process
	Landscape scarring Threatened species & European heritage	
	ECC	
1.	Aboriginal Heritage	Noted for inclusion in EA process
2.	Threatened species	
3.	DECC estate lands – Reserves etc	
4.	Operational and construction noise	
5.	Waste Water disposed incl. from RO Plant	
6.	Approvals & permits	
	INGOG	Nete I for the Letter to EA
1.	Pipeline potential to cause sterilisation of areas	Noted for inclusion in EA process
	Road crossings – how impact on smaller rural roads	
3.	Impacts from other traffic including	
4	equipment deliveries. Socio-economic- what benefits?	
5.	Potential impacts to water resources	

Issue/Query		Action/Response
DC	)P	
1.	Approvals pathway clarity	Noted for inclusion in EA process
2.	Road & rail agency consultation timeframe	
3.	Commonwealth referral – advise DoP of	
	outcomes	
4.	Clear maps	
5.	Hazard & Risk assessment	



Appendix E Legal Description of Affected Land

Proposed Pipeline - Rev E							
Lot / DP							
41DP979859	1DP1103426	2DP95008	1DP602809	1DP135852			
2DP556576	2DP1103426	1DP197383	21DP815759	342DP828134			
1DP531023	3DP1127503	2DP1035953	3DP602809	341DP828134			
392DP876813	1DP779047	1DP1035953	1DP797219	35DP197			
391DP876813	4DP838079	28DP753176	100DP103983	36DP197			
371DP832477	53DP873919	29DP753176	151DP106798	371DP825895			
1DP1003762	469DP95667	11DP733189	153DP106798	11ADP197			
2DP1003762	37DP95642	12DP733189	3DP240033	9ADP197			
522DP95600	19DP998668	2DP598006	1DP240033	7ADP197			
417DP753173	18DP998668	1DP450100	3DP1083911	5ADP197			
2DP874695	17DP998668	3DP450100	36DP753216	202DP101421			
1DP874695	397DP95663	4412DP10313	7DP753216	201DP101421			
525DP730328	75DP95643	5DP528432	51DP1110531	29DP738403			
5DP1107168	293DP95643	6DP528432	3940DP11293	28DP738403			
7DP846843	371DP95658	891DP262981	503DP101839 9	25DP738403			
6DP846843	3000DP11263	892DP262981	502DP101839	6DP262053			
2DP829617	3001DP11263	893DP262981	7DP708057	1DP803276			
2411DP11251	667DP95671	894DP262981	58DP752487	12DP263500			
6DP1107984	51DP1128500	895DP262981	2DP823760	13DP263500			
1DP1010435	9DP95639	896DP262981	2DP737844	12DP32585			
100DP108387	682DP95639	69DP753176	1DP823760	102DP103866			
101DP108387	681DP95674	70DP753176	1DP1006516	42DP558481			
11DP1116119	676DP111416	68DP753176	2DP1006516	143DP605461			
12DP31955	2DP744888	760DP105028	3DP1006516	142DP605461			
700DP95757	3DP744888	10DP1040379	25DP1101305	1DP90824			
5DP95686	43DP858015	390DP884370	26DP1101305	2DP598846			
1DP803291	42DP858015	91DP733137	2DP1053896	2DP813606			
7DP803291	41DP858015	104DP730983	105DP104961	1DP813606			
5DP803291	102DP557953	2DP248820	201DP107423	3DP813606			
6DP803291	24DP95676	3DP248820	4DP1016694				
37DP95775	35DP95407	422DP843104	30DP1109502				
86DP1130905	122DP526671	53DP740432	301DP506711				
8DP803291	14DP505209	1DP702543	2DP1110919				
350DP95778	JDP163593	2DP702543	343DP740220				
17DP746061	16DP95009	3DP702543	1DP598945				
2DP595876	13DP95008	71DP731981	1DP701059				
31DP828026	341DP107564	72DP731981	1DP770353				
32DP828026	14DP95008	185DP111425	11DP242034				
5DP876013	15DP95008	1DP204534	2DP654985				
2DP1043528	27DP95009	1DP705895	2DP197				
325DP95689	2DP1098392	9DP753216	3DP197				
677DP95751	33DP95007	10DP753216	2DP456643				
215DP105395	32DP95007	20DP815759	2DP135852				

	Lot	/ DP					
1 / DP778861 443DP1125089 312DP777579 2							
1 / DP997092	51DP1101295	3DP868581	1DP198813				
64 / DP979859	11DP1069458	293DP137520	1DP731725				
1 / DP644409	10DP1069458	ADP116326	2DP732788				
1 / DP196277	49DP979859	2DP2654993	CDP116337				
63 / DP1093998	50DP979859	2DP2279390	DDP116337				
62 / DP1093998	51DP979859	1DP998562	390DP1122750				
61 / DP979859	772DP826955	7DP722748	25DP753140				
60 / DP979859	78DP979859	32DP753140	26DP753140				
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3DP1062249	2DP795361	2DP644409					
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