



Planning

Major Projects Assessment

Mining

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Mr Adam Lollback
AGL Energy Limited
Level 20, 101 Miller St
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Dear Mr Lollback


Camden Gas Project (MP 09_0048) Amended Application

I refer to your email dated 23 September 2010, which included a revised application for Stage 3 of the Camden Gas Project.

I have attached a copy of the Director-General's requirements for the environmental assessment of the revised application.

If you require any further information, please contact Clay Preshaw on (02) 9228 6305.

Yours sincerely

 1/10/10

David Kitto
Director
Mining & Industry Projects
as delegate for the Director-General

Director-General's Requirements

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

Application Number	09_0048
Project	<p>The Camden Gas Project – Stage 3, which includes the:</p> <ul style="list-style-type: none"> • expansion of the Camden Gas Project to the north-east of the existing gas fields; • construction and operation of up to 12 surface well locations, each having up to 6 well heads; • development of associated gas gathering and water lines, including interconnection with the existing Camden Gas Project network; • development of access roads and ancillary infrastructure, including storage yards and sub-surface drilling of lateral well paths; • production of methane gas using existing and proposed infrastructure; and • rehabilitation of the land used by the project.
Location	Approximately 60 kilometres south-west of Sydney
Proponent	AGL Gas Production (Camden) Pty Limited
Date of Issue	October 2010
General Requirements	<p>The Environmental Assessment of the project must include:</p> <ul style="list-style-type: none"> • an executive summary; • a detailed description of the following: <ul style="list-style-type: none"> - existing and approved operations/facilities, including any statutory approvals that apply to these operations/facilities; and - the existing environmental management and monitoring regime; • a detailed description of the project, including the: <ul style="list-style-type: none"> - need for the project; - alternatives considered, including a justification for the proposed project; - likely interactions between stages 1, 2 and 3 of the Camden Gas Project; - likely staging of the project; and - plan of any building works; • a risk assessment of the potential environmental impacts of the project on the environment, 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, 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, and if necessary, offset the potential impacts of the project, including detailed contingency plans for managing any potentially 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	<ul style="list-style-type: none"> • Land Use Conflicts – identify and address any potential land use conflicts between the project and any future urban release areas proposed in south-west Sydney in consultation with the relevant landowners; • Soil & Water – including: <ul style="list-style-type: none"> - proposed water management system during construction and operation; and - an assessment of the potential impacts of the project on the quantity and quality (including salinity) of surface and groundwater resources; • Noise & Vibration; • Air Quality – including potential dust and odour impacts; • Greenhouse Gas – including: <ul style="list-style-type: none"> - a quantitative assessment of the potential greenhouse gas emissions of the project; and - a detailed description of the proposed measures that would be implemented to minimise greenhouse gas emissions, and ensure the project is energy efficient; • Hazards; • Biodiversity – including: <ul style="list-style-type: none"> - accurate estimates of any vegetation clearing; and - a detailed assessment of the potential impacts on any terrestrial and aquatic threatened species, populations, ecological communities or their habitats; • Heritage - including Aboriginal and non-Aboriginal heritage; • Transport – including: <ul style="list-style-type: none"> - an assessment of potential impacts of the project on the safety and performance of the road network; and - a clear demonstration of how the project will not compromise the future upgrade of Camden Valley Way or any other road corridor; • Visual; and • Rehabilitation – including: <ul style="list-style-type: none"> - a detailed description of how each site would be progressively rehabilitated and integrated into the surrounding landscape; and - a detailed description of the measures that would be put in place to ensure that sufficient resources are available to implement the proposed rehabilitation measures, and for the ongoing management of the site following the cessation of gas production.
References	The Environmental Assessment must take into account relevant State government policies, guidelines and plans. While not exhaustive, the following attachment contains a list of the policies, guidelines, and plans that may be relevant to the environmental assessment of the 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"> • The owners of the land to be used for the project; • Camden and Campbelltown Councils. • Department of Environment and Climate Change; • Department of Primary Industries; • Department of Water and Energy;. <p>The consultation process, and the issues raised during this process, must be described in the Environmental Assessment.</p>
Deemed refusal period	90 days

Policies, Guidelines & Plans

Aspect	Policy /Methodology
Risk	AS/NZS 4360:2004 Risk Management (Standards Australia)
Soil and Water	
<i>Soil</i>	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 (DOP)
<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)
	Using the ANZECC Guideline and Water Quality Objectives in NSW (DEC)
	NSW Government Water Quality and River Flow Environmental Objectives (DECC)
	Approved Methods for the Sampling and Analysis of Water Pollutants in NSW (DEC)
	Drinking Water Catchments Regional Environmental Plan No. 1
	Managing Urban Stormwater: Soils & Construction (Landcom)
	Managing Urban Stormwater: Treatment Techniques (DECC)
	Managing Urban Stormwater: Source Control (DECC)
	Floodplain Management Manual (DNR)
<i>Groundwater</i>	Technical Guidelines: Bunding & Spill Management (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) Draft
	Guidelines for the Assessment and Management of Groundwater Contamination (2007)
Noise & Vibration	Coalbed Methane Gas Extraction – Water Regulation Guidance Note (2008)
	NSW Industrial Noise Policy (DECC)
	Environmental Criteria for Road Traffic Noise (NSW EPA)
	Environmental Noise Control Manual (DECC)
	Assessing Vibration: a Technical Guideline
Air Quality	
	Assessment and Management of Odours from Stationary Sources in NSW – Technical Framework and Technical Notes (DECC 2006)
	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 Gas	
	AGO Factors and Methods Workbook (AGO)
	Guidelines for Energy Savings Action Plans (DEUS, 2005)

Hazards	
	State Environmental Planning Policy No 33– Hazardous and Offensive Development (SEPP 33)
	Planning Advisory Paper No. 6 – Guidelines for Hazardous Analysis (DUAP)
	Planning Advisory Paper No. 4 – Risk Criteria for Land Use Safety Planning (DUAP)
	Locational Guidelines – Development in the Vicinity of Operating Coal Seam Methane Wells (DoP, 2004)
Biodiversity	
	Draft Guidelines for Threatened Species Assessment under Part 3A of the Environmental Planning and Assessment Act 1979 (DEC)
	NSW Groundwater Dependent Ecosystem Policy (DLWC)
	Policy & Guidelines - Fish Friendly Waterway Crossings (NSW Fisheries)
	State Environmental Planning Policy No. 44 – Koala Habitat Protection
Heritage	
Aboriginal	Aboriginal Cultural Heritage standards and Guidelines Kit
	NSW Heritage Manual (NSW Heritage Office & DUAP)
Non-Aboriginal	The Burra Charter (The Australia ICOMOS charter for places of cultural significance)
Transport	
	Guide to Traffic Generating Development (RTA)
	Road Design Guide (RTA)
Rehabilitation	
	Mine Rehabilitation – Leading Practice Sustainable Development Program for the Mining Industry (Commonwealth of Australia)
	Mine Closure and Completion – Leading Practice Sustainable Development Program for the Mining Industry (Commonwealth of Australia)
	Strategic Framework for Mine Closure (ANZMEC)
Strategic Plans	
	Sydney Metropolitan Strategy (DOP)
	Draft South West Subregional Strategy (DOP)