



Planning & Infrastructure

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Our ref: DA No. 463/93 MOD 1

M/s Lara Mottee
Environmental Scientist
Kellogg Brown & Root Pty Ltd
Level 13, 201 Kent Street
SYDNEY NSW 2000

Dear M/s Mottee

**Director-General's Requirements
Elgas Liquid Petroleum Gas Storage Caverns Facility
Proposed Modification - Liquid Petroleum Gas Pipeline (DA No. 463/93 MOD 1)**

I refer to your request to modify the development consent (DA No. 463/93) issued by the then Minister for Planning on 15 May 1994 for the development of underground storage caverns for storage and distribution of liquid petroleum gas (LPG) at Port Botany.

The proposed modification will be assessed under Section 75W of the *Environmental Planning and Assessment Act 1979* (EP&A Act).

I have attached a copy of the Director-General's requirements for the project. 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 (EA) for the project. This will enable the Department to determine the:

- applicable fee;
- determine consultation requirements; and
- number of copies (hard-copy or CD-ROM) of the Environmental Assessment that will be required for exhibition purposes.

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 EA to be hosted on a suitable website during the assessment process

If you have any enquiries about these requirements, please contact Andrew Hartcher on 9228 6503 or andrew.hartcher@planning.nsw.gov.au

Yours sincerely

At for

6.9.2013

Chris Ritchie
Manager – Industry
Major Projects Assessment
as the Director-General's nominee

Director-General's Requirements

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

Application Number	DA No. 463/93 MOD 1
Project	The proposal is for the construction and operation of a pipeline to transport liquid petroleum gas (LPG) from Elgas's existing LPG Cavern facility at Port Botany to the Qenos Hydrocarbon Terminal at Port Botany and associated infrastructure.
Location	Corner of Friendship Road and Charlotte Road, Port Botany in the Randwick local government area.
Proponent	Elgas Ltd
Date of Issue	September 2013
General Requirements	<p>The Environmental Assessment of the proposed modification must include:</p> <ul style="list-style-type: none"> • an executive summary • a detailed description of the following within the site and any associated areas: <ul style="list-style-type: none"> - historical operations/activities - existing and approved operations/facilities, including any statutory approvals that apply to these operations and facilities; - a description of the proposed modifications in relation to any existing environmental management plans that may need to be updated; • a detailed description of the project, including: <ul style="list-style-type: none"> - need for the modification - proposed modifications or upgrades to activities or infrastructure - alternatives considered - various components and stages of the proposal - likely interactions between existing and proposed operations; - likely interactions between the approval being sought and the existing approvals/consents that apply to site; - plans of any proposed building works; and - flow-diagrams that show how the modifications work. • a detailed assessment of the following, and any other significant issues identified in the Environmental Risk Assessment (see 'Key Issues'): <ul style="list-style-type: none"> - a description of the existing environment, using baseline data; - a detailed description of the process and equipment modifications involved (to determine whether any additional impacts are likely (e.g. noise, odour, wastewater and traffic); - an assessment of the potential impacts of the project, including any cumulative impacts, taking into consideration any relevant guidelines, policies, plans and statutory provisions - 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	<ul style="list-style-type: none"> • Hazards and Risk – including: <ul style="list-style-type: none"> - updating the risk assessment for the subject site to include the proposed modification. The risk assessment should be updated in accordance with <i>Hazardous Industry Planning Advisory Paper No. 6 – Hazards Analysis</i>; and

	<ul style="list-style-type: none"> - address all recommendations of the Department's <i>Port Botany Land Use Safety Study Overview Report</i> relevant to the modification. • Soil and Water – including: <ul style="list-style-type: none"> - an assessment of the potential impacts of the proposal on soil and water (including surface and groundwater resources) during construction and operation; and - consideration of the potential for contaminated soil and water to be encountered during construction and its management in accordance with the relevant guidelines. • Noise and Vibration – including an assessment of construction, operation and traffic noise generated by the project in accordance with the relevant EPA guidelines. This assessment should focus on potential impacts on nearby sensitive receivers; • Air Quality – including: <ul style="list-style-type: none"> - an assessment of the air quality (including odour) impacts of the development in accordance with the relevant EPA guidelines. This assessment should focus on potential impacts on nearby sensitive receivers; and - details of any air quality control and management measures for the modification. • Traffic and Transport – including: <ul style="list-style-type: none"> - accurate predictions of the traffic volumes likely to be generated during construction and operation; and - a detailed traffic impact study of the project. • Waste Management – including: <ul style="list-style-type: none"> - identification of the volume, type and classification of all waste/s generated during the construction of the project; and - details of all waste treatment (e.g. contaminated soil) and disposal measures undertaken in accordance with the relevant guidelines. • Greenhouse Gas – including an assessment of the potential greenhouse gas emissions of the project.
References	While not exhaustive, the following attachment contains a list of the guidelines, policies, and plans that may be relevant to 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"> • Sydney Ports Corporation; • Randwick City Council; • Environment Protection Authority; • WorkCover NSW; and • Roads and Maritime Service. <p>The consultation process, and the issues raised during this process, must be described in the Environmental Assessment.</p>

Technical and Policy Guidelines

Aspect	Policy /Methodology
Risk Assessment	<p>AS/NZS 4360:2004 Risk Management (Standards Australia)</p> <p>HB 203: 203:2006 Environmental Risk Management – Principles & Process (Standards Australia)</p>
Hazards	<p>State Environmental Planning Policy No. 33 – Hazardous and Offensive Development</p> <p>Applying SEPP 33 – Hazardous and Offensive Development Application Guidelines (DUAP)</p> <p>Hazardous Industry Planning Advisory Paper No. 6 – Guidelines for Hazard Analysis</p>
Noise	<p>NSW Industrial Noise Policy (DECC)</p> <p>NSW Road Noise Policy (NSW EPA)</p> <p>Interim Construction Noise Guideline (NSW EPA)</p>
Soil and Water	
<i>Soil</i>	<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 1999 (NEPC)</p> <p>Draft Guidelines for the Assessment & Management of Groundwater Contamination (DECC)</p> <p>State Environmental Planning Policy No. 55 – Remediation of Land</p> <p>Managing Land Contamination – Planning Guidelines SEPP 55 – Remediation of Land (DOP)</p> <p>Acid Sulphate Soils Assessment Guidelines 1998 (ASSMAC)</p>
<i>Surface Water</i>	<p>National Water Quality Management Strategy: Water quality management - an outline of the policies (ANZECC/ARMCANZ)</p> <p>National Water Quality Management Strategy: Policies and principles - a reference document (ANZECC/ARMCANZ)</p> <p>National Water Quality Management Strategy: Implementation guidelines (ANZECC/ARMCANZ)</p> <p>National Water Quality Management Strategy: Australian 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 Guideline and Water Quality Objectives in NSW (DEC)</p> <p>State Water Management Outcomes Plan</p> <p>NSW Government Water Quality and River Flow Environmental Objectives (DECC)</p> <p>Approved Methods for the Sampling and Analysis of Water Pollutants in NSW (DEC)</p> <p>Greater Metropolitan Regional Environmental Plan No. 2 – Georges River Catchment</p> <p>Managing Urban Stormwater: Soils & Construction (Landcom)</p> <p>Managing Urban Stormwater: Treatment Techniques (DECC)</p> <p>Managing Urban Stormwater: Source Control (DECC)</p> <p>Technical Guidelines: Bunding & Spill Management (DECC)</p> <p>Environmental Guidelines: Use of Effluent by Irrigation (DECC)</p>

<i>Groundwater</i>	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 (DECC)
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)
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)
Transport	
	Guide to Traffic Generating Development (RTA)
	Road Design Guide (RTA)
Waste	
	Waste Classification Guidelines (DECC)
	Environmental Guidelines: Assessment, Classification, and Management of Liquid and Non-Liquid Wastes (EPA)
Visual	
	Control of Obtrusive Effects of Outdoor Lighting (Standards Australia, AS 4282)
	State Environmental Planning Policy No 64 - Advertising and Signage
Greenhouse Gas	
	AGO Factors and Methods Workbook (AGO)
	Guidelines for Energy Savings Action Plans (DEUS, 2005)