



Planning

Contact: Anna Bradley
Phone: (02) 9228 6503
Fax: (02) 9228 6466
Email: anna.bradley@planning.nsw.gov.au

Mr Ming Leung
Site Manager
Shoalhaven Starches Pty Ltd
PO Box 123
NOWRA NSW 2541

Our Ref: MP 10_0108

Dear Mr Leung,

**Director General's Requirements
Shoalhaven Starches Pipeline Project (MP 10_0108)**

The Department has received your application for the Shoalhaven Starches Pipeline Project.

I have attached a copy of the Director General's requirements for the Project. These requirements have been prepared in consultation with the relevant Government authorities, and are based on the information you have provided to date. I have also attached a copy of the government authorities' comments for your information. Please note that the Director General may alter these requirements at any time.

If your proposal is likely to have a significant impact on matters of National Environmental Significance, it will require an approval under the Commonwealth *Environment Protection Biodiversity Conservation Act 1999* (EPBC Act). This approval is in addition to any approvals required under NSW legislation. It is your responsibility to contact the Department of Environment, Water, Heritage and the Arts in Canberra (6274 1111 or <http://www.environment.gov.au>) to determine if the proposal requires an approval under the EPBC Act. If it is determined that an approval is required under the EPBC Act, please contact me immediately as supplementary Director-General's requirements may need to be issued.

It would be appreciated if you can 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);
- consultation and public exhibition arrangements; and
- number of copies (hard-copy or CD-ROM) of the Environmental Assessment that will be required for exhibition purposes.

Once the Department receives the Environmental Assessment, it 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, it would be appreciated if you can ensure all documents submitted to the Department are in a suitable format for the internet.

If you have any enquiries about these requirements, please contact Anna Bradley on 9228 6503 or anna.bradley@planning.nsw.gov.au.

Yours sincerely,

8.11.10

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

Bridge St Office 23-33 Bridge St Sydney NSW 2000 GPO Box 39 Sydney NSW 2001 DX 22 Sydney
Telephone: (02) 9228 6111 Facsimile: (02) 9228 6191 Website planning.nsw.gov.au

Director-General's Requirements

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

Application Number	Concept Plan: MP 10_0144 Project Application: MP 10_0108
Project	Concept Plan: To investigate an area for the proposed gas pipeline for the Shoalhaven Starches factory. Project Application: Construction of a gas pipeline 5.5km in length to service the Shoalhaven Starches factory, Bomaderry.
Site	Land within the Shoalhaven local government area. The pipeline will run east south-east from the existing Eastern Gas Pipeline at Pestells Lane, Meroo Meadow to the boundary of the Shoalhaven Starches site at Railway Road, Bomaderry.
Proponent	Shoalhaven Starches Pty Ltd
Date of Issue	8 November 2010
General Requirements	<p>The Environmental Assessment (EA) must include:</p> <ul style="list-style-type: none"> • an executive summary; • a detailed description of the Project including: <ul style="list-style-type: none"> – existing site characteristics and environmental features; – alternatives considered; – construction and operation details that clearly define the proposed corridor; – infrastructure and watercourse crossing methods; and – engineering and/or architectural plans for the proposed works. • A Project justification with consideration of Project objectives, Project alternatives, benefits and impacts of the Project and the suitability of the site (corridor); • consideration of the Project against relevant statutory provisions including the consistency of the Project with the objects of the <i>Environmental Planning and Assessment Act 1979</i>; • an assessment of the key issues and potential impacts outlined below, during construction and during operation; • a draft Statement of Commitments, outlining environmental management, mitigation and monitoring measures; • a conclusion justifying the Project, taking into consideration the suitability of the site, and the costs and benefits of the Project; and • a signed certification by the author of the EA that the information in the EA is neither false nor misleading.
Key Issues	<ul style="list-style-type: none"> ○ Strategic Justification – including: <ul style="list-style-type: none"> – a strategic planning consideration of the Project and an analysis of the suitability of the gas pipeline route with respect to potential land use conflicts with existing and future surrounding land users; – details of the proposed route for the gas pipeline which clearly describes the relevant ownership, land use, and zoning provisions; and – an analysis of the required pipeline capacity, having regard to existing gas supplies. ○ Hazards and Risk – including: <ul style="list-style-type: none"> – a screening of potential hazards associated with the gas supply infrastructure to determine the potential for offsite impacts; and – should potential off-site impacts be identified, a Preliminary Hazard Analysis (PHA) must be prepared in accordance with the Department's guidelines (see attached).

	<ul style="list-style-type: none"> ○ Noise and Vibration – including: <ul style="list-style-type: none"> – a noise impact assessment, including an assessment of noise impacts and road traffic noise during both construction and maintenance; – consideration of potential vibration impacts from excavation works; and – details of the proposed noise mitigation, monitoring and management measures. ○ Soil and Water – including: <ul style="list-style-type: none"> – an assessment of the water quality impacts associated with the construction and operation of the Project, with particular reference to impacts on aquatic ecology, riparian zones, surface water and groundwater impacts along the proposed route; – detailed information which describes how those water bodies or water courses would be traversed and measures that would be used to avoid or minimise any predicted impacts; – consideration of sea level rise and how this would be managed; – consideration of acid sulfate soils and how they would be managed if detected; and – specific reference to how erosion and sedimentation would be managed during construction. ○ Air Quality – including: <ul style="list-style-type: none"> – an air quality impact assessment, including an assessment of predicted dust emissions during construction. ○ Biodiversity – including: <ul style="list-style-type: none"> – measures taken to avoid impacts on biodiversity; – accurate estimates of any proposed vegetation clearing; – a detailed assessment of the potential impacts of the project on any terrestrial or aquatic threatened species, populations, ecological communities or their habitats, regionally significant remnant vegetation and/ or vegetation corridors; and – measures to ensure the project maintains or improves the biodiversity values of the region in the medium to long term. ○ Aboriginal Heritage – including: <ul style="list-style-type: none"> – sufficient information to demonstrate the likely impacts on Aboriginal Heritage values/items and proposed mitigation measures. ○ Traffic and Transportation – including: <ul style="list-style-type: none"> – an assessment of the potential for disruption to traffic and increase in traffic movements during the construction phase; and – an assessment of the impacts on any road or rail infrastructure and proposed measures to mitigate these impacts. ○ General Environmental Risk Analysis –including an environmental risk analysis to identify potential environmental impacts (construction and operation), proposed mitigation measures, potentially significant residual environmental impacts after the application of proposed mitigation measures and an appropriately detailed impact assessment of any additional key environmental impacts identified through the risk analysis.
References	<p>The EA should take into account relevant Government technical and policy guidelines, as well as industry guidelines and relevant strategic plans. While not exhaustive, guidelines and plans which may be relevant to the Project are included in the attached lists.</p>
Consultation	<p>During the preparation of the EA, 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:</p> <ul style="list-style-type: none"> • Department of Environment, Climate Change and Water; • NSW Industry and Investment; • NSW Office of Water; • NSW Roads and Traffic Authority; • Shoalhaven City Council; • Shoalhaven Water;

	<ul style="list-style-type: none"> • relevant rail infrastructure provider / owner; • relevant local Aboriginal communities and Local Aboriginal Land Councils; and • the local community <p>The EA must clearly indicate issues raised by stakeholders during consultation, and how those matters have been addressed in the EA.</p>
Deemed refusal period	<p>Under clause 8E(2) of the <i>Environmental Planning and Assessment Regulation 2000</i>, the applicable deemed refusal period is 60 days from the end of the proponent's EA period for the Project.</p>

Policies, Guidelines & Plans

Hazards & Risk

State Environmental Planning Policy No. 33 – Hazardous and Offensive Development

Applying SEPP 33 – Hazardous and Offensive Development Application Guidelines (DUAP)

Hazardous Industry Planning Advisory Paper No. 3 – Environmental Risk Impact Assessment Guidelines

Hazardous Industry Planning Advisory Paper No. 6 – Guidelines for Hazard Analysis

AS/NZS 4360:2004 Risk Management (Standards Australia)

HB 203: 203:2006 Environmental Risk Management – Principles & Process (Standards Australia)

Multi-Level Risk Assessment (DUAP)

Noise & Vibration

NSW Industrial Noise Policy (DECC)

Environmental Noise Control Manual (DECC)

Environmental Noise Management – Assessing Vibration: a technical guide (DEC)

Environmental Criteria for Road Traffic Noise (NSW EPA)

Technical basis for guidelines to minimise annoyance due to blasting overpressure and ground vibration (ANZEC)

Interim Construction Noise Guideline (DECC)

DIN 4150 Part 3 - Structural Vibration: effects of vibration on structures (ISO, 1999)

Soil & Water

Surface Water

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)

State Water Management Outcomes Plan

Managing Urban Stormwater: Soils & Construction (Landcom)

Managing Urban Stormwater: Treatment Techniques (DECC)

Managing Urban Stormwater: Source Control (DECC)

Floodplain Development Manual (DIPNR)

Floodplain Risk Management Guideline (DECC)

Groundwater

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)

Murray-Darling Basin Commission. Groundwater Flow Modelling Guideline (Aquaterra Consulting Pty Ltd)

Guidelines for the Assessment & Management of Groundwater Contamination (DECC, 2007)

Soil

Acid Sulfate Soil Manual (DLWC, 1998)

Air Quality

Protection of the Environment Operations (Clean Air) Regulation 2002

Approved Methods for the Modelling & Assessment of Air Pollutants in NSW (DEC)

Approved Methods for the Sampling & Analysis of Air Pollutants in NSW (DEC)

Biodiversity

Draft Guidelines for Threatened Species Assessment under Part 3A of the *Environmental Planning and Assessment Act 1979* (EP&A Act) (DEC)
Policy & Guidelines - Aquatic Habitat Management and Fish Conservation (NSW Fisheries)

State Environmental Planning Policy No. 44 – Koala Habitat Protection
State Environmental Planning Policy No. 14 – Coastal Wetlands

Aboriginal Heritage

Draft Guidelines for Aboriginal Cultural Heritage Assessment and Community Consultation (DoP and DEC)

Traffic & Transport

Guide to Traffic Generating Development (RTA)
Road Design Guide (RTA)