

10 December 2013

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The Manager
Department of Planning & Infrastructure
GPO Box 39
SYDNEY NSW 2001

Attention: David Mooney

SSD13_6281 – PROPOSED INDUSTRIAL DEVELOPMENT – ETHANOL REFINERY, LOTS 234, 272 & 273 DP756325, OLD BARHAM ROAD, DENILIQUIN.

I refer to your correspondence to the Roads and Maritime Services requesting the provision of key issues and assessment requirements to be included in the Director-General's Requirements.

From the information provided it is understood that the proposal represents the establishment and operation of an Ethanol Refinery and associated infrastructure on the subject site. The subject site has frontage to the Deniliquin – Barham Road (RR7605) which is an Unclassified Regional Road within a 100 km/h speed limit.

The documentation submitted with the Development Application should address the actual road transport related issues such as traffic generation and potential impacts on road infrastructure during the lifetime of the project. It is noted from the preliminary information provided that the preferred route for access to the subject site has not been finalised. However it is understood that the development will rely on the transportation of goods along various roads that access Deniliquin including the Cobb and Riverina Highways.

Roads and Maritime is interested in the characteristics of the traffic generated by the development and in the impact of the development on the safety and efficiency of the road network. A traffic assessment shall be prepared to outline measures to address and manage traffic related issues generated by the development. The plan shall detail the potential impacts associated with the development, the works required to the existing road infrastructure, the measures to be implemented to maintain the standard and safety of the road network, and the procedures to monitor and ensure compliance.

From the information available it is considered that both the establishment and operational phases of the development potentially have an impact on the transport infrastructure required to service the development. Roads and Maritime advises that in relation to traffic and transportation related issues the development should be considered and addressed in 2 distinct stages as follows;

- Establishment phase – the transport of materials and equipment/components for the establishment of the facility and ancillary infrastructure, the movement and parking of construction related vehicles, including personal vehicles, during the construction period.
- Operational phase – the ongoing traffic generation due to the haulage of the extracted material and the operation, maintenance and servicing of the various elements of the project.

For guidance in the preparation of a Traffic Impact Assessment for the proposal and the statement of commitment/management plans Roads and Maritime refers the applicant to the "Guide to Traffic Generating Developments" and the Austroads publications, particularly Austroads Guide to Traffic Management Part 12; Traffic Impacts Of Development. The analysis is to address the existing and expected additional traffic generation and consider the cumulative impacts of the total development on the subject site. Based on the assumptions outlined above this should give consideration to (but not necessarily be limited to) the following points:

- Traffic generation/attraction and trip generation of the development.
- The direction of travel of all vehicles entering and exiting the site including delivery and construction, service and employee vehicles.
- Types and volumes of vehicles to access the site.
- Annual Average Daily Traffic (AADT) and historical trends on key roads.
- Peak period traffic volumes and congestion levels at key adjacent intersections.
- Impact of generated traffic on the road network and key intersections, the road environment and other major traffic generating developments in close proximity.
- Accident history of the road network in the area.
- Safety and efficiency of access between the site and the adjacent road network including access location, design and sight distance at access locations.
- Assessment of traffic noise and dust effects.
- Recommendations to address any impacts on the road network

Please note that the above does not assert to represent an exhaustive listing of all the issues to be considered in the assessment of the traffic impact of the development proposal. Roads and Maritime emphasises that the proponent, in the design and construction of the development, is to minimise the impacts on the existing road network and maintain the safety, efficiency and standard of maintenance along the existing road network.

Any enquiries regarding this correspondence may be referred to the Land Use Manager for Roads and Maritime Services (South West Region), Maurice Morgan, phone (02) 69371611.

Yours faithfully



Per:
Mr Lindsay Tanner
Regional Manager
South West Region