



## Template for defining the key characteristics of a proposal

### Template 1: Key proposal characteristics – new proposal

*[provided by proponent with referral or during assessment]*

**Table 1: Summary of the Proposal**

<b>Proposal title</b>	Downstream Processing Chemical Production Facility
<b>Proponent name</b>	Wesfarmers Chemicals, Energy & Fertilisers (along with Joint Venture partners)
<b>Short description</b>	<p>The proponents are exploring the feasibility of building a chemical processing plant in Western Australia’s Pilbara region.</p> <p>Initial efforts have focused on evaluating the alternatives of constructing and operating of a methanol, ammonia or MEG bulk liquids chemical processing facility. The leading alternative under assessment seeks to establish a circa 5,000 tonnes per day methanol plant on the Burrup Peninsula.</p> <p>The proponents are currently at pre-feasibility stage for the project and have recently signed an Option to Lease with LandCorp. The proposed plant location is at ‘Site E’, which is within the Burrup Strategic Industry Area (SIA). This site is well suited to the development of a globally competitive export facing liquids process, particularly given the presence of purpose-built essential infrastructure already developed. This includes close proximity to; an under-utilised bulk liquids deep water berth, established large-scale cooling water pipelines, a dedicated product pipeline corridor, and access to utilities.</p> <p>The proposed development of Site E includes; process production facilities, product storage, plant utilities and associated infrastructure.</p>

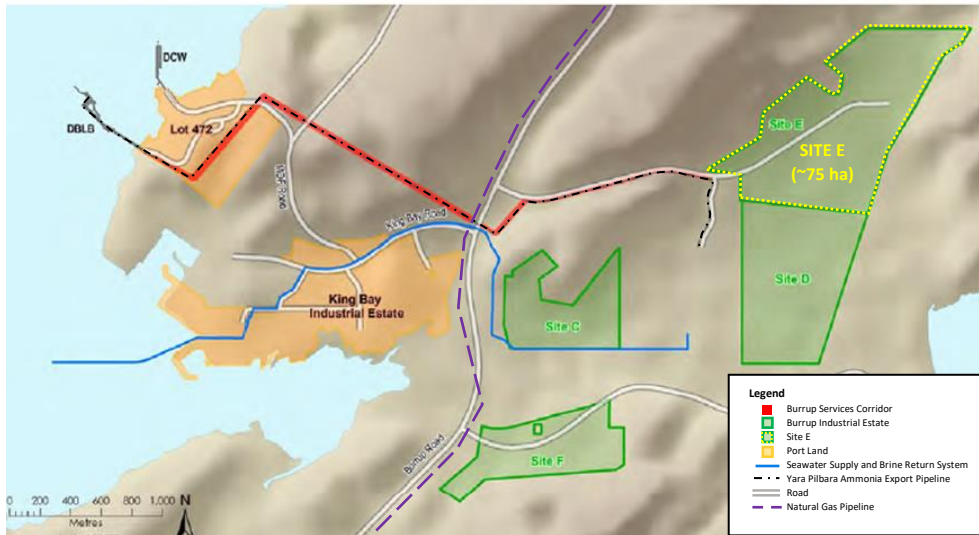


Figure 1. Site E and Existing Infrastructure (Service Corridor, Water Supply & Return, Gas Infrastructure)

**Table 2: Location and proposed extent of physical and operational elements**

<b>Element</b>	<b>Location</b>	<b>Proposed Extent</b>
<b><i>Physical Elements</i></b>		
Process Plant (including process production facilities, storage, plant utilities and associated infrastructure).	SIA Site E (Figure 1)	Requirement for plant process infrastructure and site preparation not exceeding 75 ha of area within Site E.  Site E is relatively flat, sparsely vegetated vacant land, and has been previously cleared and used for recreational and construction lay down activities.
Natural Gas Supply pipeline	Extend existing natural gas pipeline services (Figure 1)	Requirement for pipeline delivered natural gas supply services via the extension of a pre-existing pipeline system (note 1).
Product Export Pipeline	Within the existing service corridor (Figure 1)	Construction of an export pipeline within a pre-existing infrastructure corridor.  This element eliminates the need for intensive heavy vehicle traffic otherwise needed to transfer product for export.
Seawater supply and Brine return pipelines	Extend existing seawater supply and brine return pipeline services (Figure 1)	Requirement for pipeline delivered seawater supply and brine return services via the extension of a pre-existing pipeline system (note 1).
Bulk Liquids Jetty	Utilisation of existing Bulk Liquids Jetty within Pilbara Ports facility (Figure 1)	Installation of dedicated pipeline and loading gantry equipment within pre-existing Jetty provisions.
Access to site	SIA Site E (Figure 1)	Extension of existing Village Road to enable appropriate access to site E.

<b>Operational Elements</b>		
Pumping seawater to plant	Within the existing seawater and brine system (Figure 1)	Abstraction of seawater required for evaporative cooling in order to safely operate plant.
Water discharge	Within the existing seawater and brine system (Figure 1)	Discharge of brine water required to complete cooling processes in order to safely operate plant.
Gaseous Emission	SIA Site E (Figure 1)	Plant emissions are recognised by the Proponents as an important threshold issue (note 2). Subject to the outcome of the pre-feasibility stage being favourable, a full feasibility study will be undertaken. This includes the application of; licensed modern process technologies, completion of rigorous technical due diligence, and ensuring compliant regulatory processes are completed (which includes all environmental regulatory requirements).
Utilities		On-site and off-site consumption and supply requirements for electrical power and potable water will be determined as part of the proposed feasibility study cited above.

**Note**

1. Design location for pipeline extension to be fully confirmed.
2. Modern plant process technology design will be used to minimise greenhouse and gas emissions. Details of gaseous emissions are to be confirmed.

[End]