Attachment 1:

Uranquinty Power Station Proposed Storage Shed Extension Modification Report

This report has been prepared to provide the Department of Planning & Infrastructure (DOP&I) sufficient information to assess the Development Consent Modification in regard to a proposed Storage Shed Extension at the Uranquinty Power Station (UPS).

The existing storage shed was approved for development by the DOP&I in 2009 under Modification (31-2-2004-I Mod 4) of the UPS Development Consent.

The existing shed is 18m x 16m x 4.5m, has a concrete floor, steel frame and Colorbond finish. The colour finish of the existing shed is a similar colour to other infrastructure on-site including water tanks, gas receival yard and the site hazardous chemical store and machinery shed.

The proposed works under this modification request is to extend the existing storage shed a further 12 metres towards the west. The extension will have the same design features, colour and finish as the existing shed.

The location of the proposed shed extension on the UPS site is illustrated in Figure 4. The general arrangement of the proposed shed extension is illustrated in Figure 5.

The reason for the extension of the existing shed is to increase required spares storage and in doing so remove the current temporary storage that is occurring in four shipping containers as can be observed in Figure 1 & Figure 3.

This report will detail the following components of the proposed Storage Shed Extension:

1. UPS Location and Planning Details
2. Shed Extension Details
3. Impact of the Shed Extension on-site and the local community:
    a. Gas Safety
    b. Construction Impacts
    c. Visual Amenity
    d. Natural Resources.

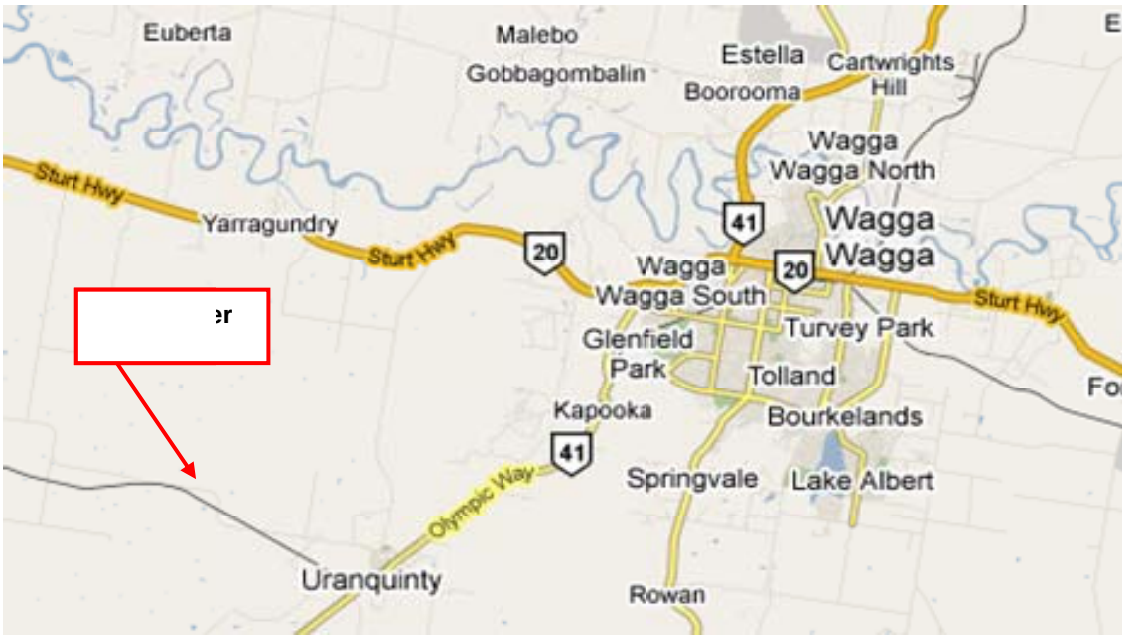
1. UPS Site Details

The Uranquinty Power Station (UPS) is a 600 MW gas-fired power station, situated at Uranquinty which is approximately 15 kilometres south west of Wagga Wagga.

The site (as shown in Figure 1) is on Uranquinty Cross Road, approximately 3 kilometres west of the town of Uranquinty. It occupies 30 hectares of land on Lot 782 on DP878179 and Lot 76 on DP754573 within the Parish of Yarragundry.

The UPS is located in the Wagga Wagga City Council area. Within the Local Planning Instruments the site is located within an area zoned RU1: Primary Production.

Figure 1:



2. Shed Extension Details

Dimensions - 12m x 16m x 4.5m

Materials - Concrete flooring level with existing shed floor

Steel frame utilising the same design as existing shed

Colour bond external finish utilising the same external finish and colour as existing shed.

Construction details –

Construction will involve –

- Civil works for shed extension concrete floor – may involve excavator and tipping truck

- Installation of concrete floor – involving concrete deliveries from Wagga and on-site contractors
- Erection of shed framing (steel) – involving crane lift of pre-fabricated framing and on-site contractors
- Erection of roof and wall sheeting (colour bond steel corrugated sheeting) – involving Elevated Lift Platforms (ELP) and on-site contractors.

The proposed shed extension will only be constructed during approved construction hours as detailed in the UPS Development Consent.

The construction workforce is expected to vary between 5 and 10 workers including supervisors.

The construction timeframe is 4 weeks.

Construction Site Access -

All site access for construction personnel and materials delivery will be via Uranquinty Cross Road.

Access into the site will be via the UPS main entrance off Uranquinty Cross Road.

No additional access points or roads will be required to be used or constructed.

Machinery Refuelling during Construction -

Some construction machinery will be required during construction works – i.e. crane, ELP, and excavator. Limited refuelling will be undertaken via mobile contracted fuel deliveries.

Refuelling will be undertaken in a designated location near the construction area and will be undertaken as per the UPS Environmental Management Plan and documented Project Work Method Statement to be developed.

Stormwater - Shed stormwater will be collected utilising the existing sheds stormwater piping and stormwater will be captured and managed within the sites stormwater system

Shed Extension Use Post Construction -

The proposed shed extension will be utilised to expand the current warehouse storage for the UPS. Storage is mainly confined to spare parts.

No hazardous or liquid storage occurs or will occur in the storage shed and proposed extension. All hazardous chemical storage on-site occurs in a separate on-site hazardous chemical storage shed.

No above ground storage tanks will be located in the extended storage shed.

3. Impact of the Shed Extension on-site and the local community:

a. Gas Safety -

The proposed extension will increase the existing shed by 12 metres which will bring the extended shed to within 11.5 metres of the UPS internal above-ground gas pipeline.

The gas line is within the UPS boundary and is owned and maintained by the UPS. The gas pipeline is a lateral off the APA Gas Line and takes gas from this main gas line to the gas conditioning yard which is adjacent to the proposed shed extension area.

An engineering assessment has been undertaken with reference to applicable Australian Standards in regard to minimum distances between the proposed shed extension and the UPS above-ground gas line. The engineering assessment concluded that an 11.5 metre buffer between the proposed shed extension and the gas pipeline is sufficient and meets required Standards.

As such there is not expected to be any increase in gas safety risks in regard to the proposed Storage Shed Extension.

While the gas pipeline is barricaded, prior to construction activities, a Construction OH&S Plan will be developed and implemented to manage identified construction risks involving the gas pipeline. Measures to be developed within this Plan include additional gas pipe barricading, crane lift assessments, machinery interactions and Hot Work activities.

Within the proposed construction area other risk items that will be managed include excavations, hot work and work at heights as required.

b. Construction Impacts -

Construction activities for the proposed shed extension will involve additional personnel and equipment being on-site for a short period of time.

It is expected that between 5 – 10 additional personnel could be on-site during the construction period. This would also involve additional traffic movements during the day to site. Construction traffic would be along Uranquinty Cross Road. While this road is a relatively low use rural road it is not expected that the additional traffic involved with this project will impact on this road or road users.

Additional machinery and equipment would also be brought to site. The main potential noise producing equipment includes excavator & truck movements. Generally the type of construction activities required for this project would result in nil or low off-site noise impacts.

All construction activities including noise, dust, traffic, vibration will be managed as per the requirements detailed in the UPS Development Consent, Site Environmental Licence and the UPS Environmental Management Plan. This also includes allowable off-site noise, truck delivery times and construction hours.

There are no identified impacts from this work on surface waters, ground waters or soils.

c. Heritage and Flora & Fauna Impacts –

The proposed storage shed extension construction area is located in an area that has been heavily modified from the original development of the UPS. There is no vegetation or identified native fauna in the proposed construction area.

Previous heritage assessment during the EIS identified no heritage qualities for the UPS site and as such it is not expected that there will be any impacts from these proposed works.

d. Noise Impacts –

The area surrounding the UPS is rural farming properties. The closest residence from the UPS is just over 1km from the UPS boundary and about 1.3km from the construction area.

While construction noises and vibration will occur during the proposed extension works it is not expected to result in off-site impacts at near neigbour residences.

e. Visual Amenity –

The existing shed will be extended 12 metres to the west, forming an additional floor area of nominally 12m x 16m.

To reduce any visual impact of the shed extension, it shall be designed and constructed to visually match the existing shed using similar sheeting, gutters and other trimmings. The extension will be seamless, such that the extended shed will appear to be part of the original construction.

No additional external lighting will be erected as part of the proposed shed extension.

Figure 1. Existing Storage Shed looking South West & shipping containers being used for temporary storage

Figure 2. Existing Storage Shed Design looking South West

Figure 3. Existing Storage Shed showing proposed extension area where shipping containers are currently stored and the gas pipeline in foreground.

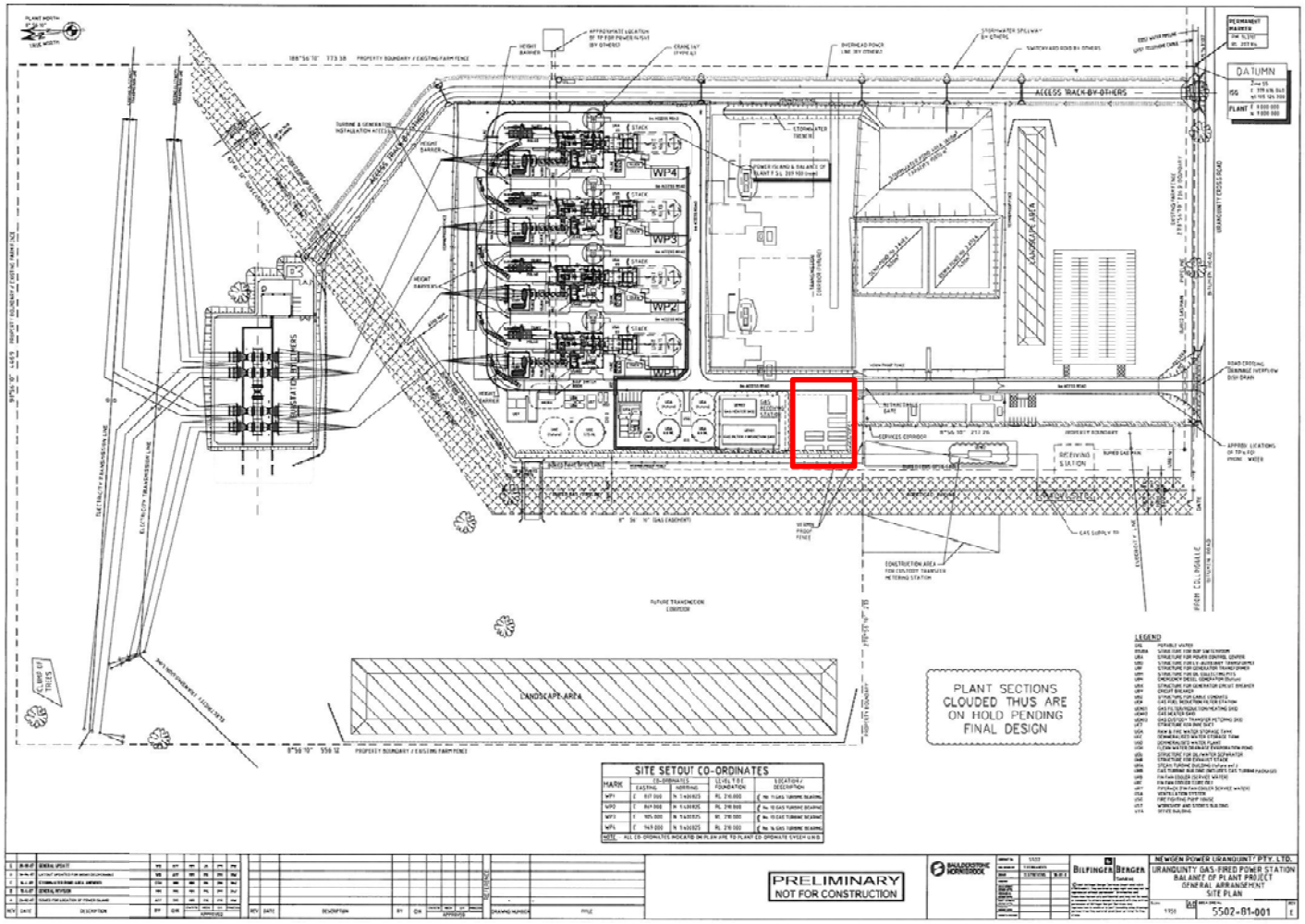


Figure 3. Power Station Layout & Proposed Engineering Works

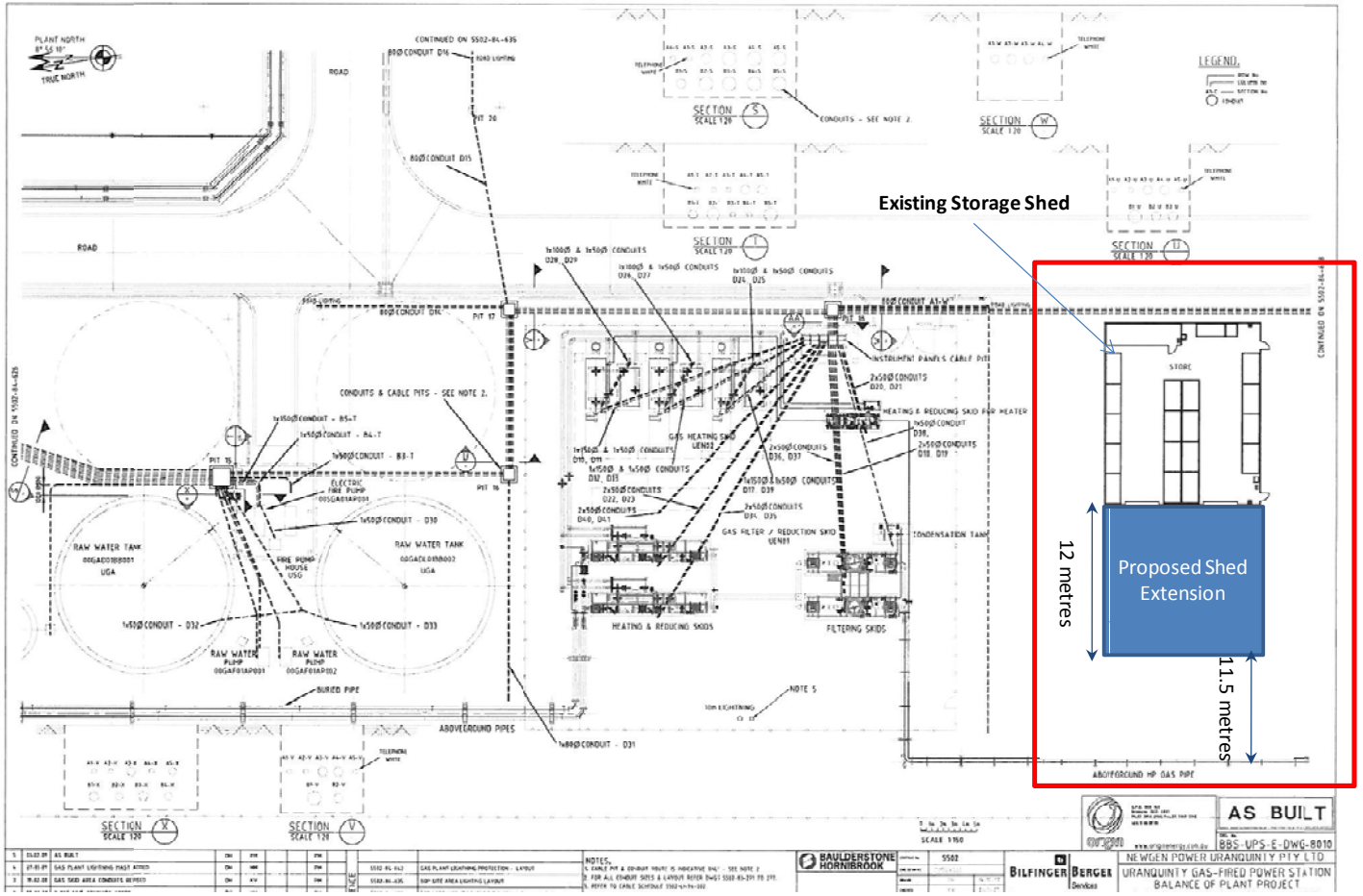


Figure 5 – Proposed Shed Extension Area