



SEQ Rail Stabling Program

Operational readiness update: Visual amenity

How has Queensland Rail addressed community concerns regarding reduced light spill and visual impact in the final design of the facility?

Measures have been taken in the development of a final design for this facility to reduce light spill and visual impact:

- Trains will be parked behind a 2.6 metre high fence which will largely obscure any light from train windows
- Use of directional LED lights to reduce spill and glare
- Inside the stabling facility during cleaning, lighting on the trains will be restricted to internal lights only
- Queensland Rail remains committed to providing vegetation screening of the stabling facility and by project completion, up to 7,150 trees will have been planted
- The existing mound of excess top soil will be retained. It is 150 metres long, 1.5 metres high and 5 metres wide (the exact dimensions will be confirmed upon completion of construction).

How will directional LED lights reduce spill and glare?

The Woombye stabling facility will feature modern directional LED lighting. This type of lighting differs significantly from high intensity discharge (HID) lamps, where the glass is angled to project light over a maximum area and the light source is clearly visible, such as pole mounted lights used at sports grounds.

Directional LED lights provide more uniform light on an area due to its greater directional control.

Vertical luminance, without greater obtrusive glare or wasteful spill light, is created by aiming the LED lights towards targeted areas.

Beams can be concentrated to highlight movement areas such as walkways while minimising lighting in areas which are used less frequently.

Will lights be dimmed after periods of inactivity?

Yes. Lights will be dimmed after one hour of inactivity.

In addition to the use of LED lighting, provision will be made for dimming the intensity of operational lighting by 50 per cent when there is no activity or movement at the facility.

At the stabling facility, lighting is broken into zones so that the whole facility is lit at an operational level only when required.

On arrival of a train, or as movement is detected in designated areas, lighting will be activated in that zone.

For your information



Can lights be reduced in a period shorter than one hour?

Queensland Rail has a standard policy about lighting levels and the reduction of lux (illumination) levels at its facilities, based on a number of requirements including safe working, security and available technology.

Following a question raised as part of the Woombye Community Reference Group, a review of the one hour dimming period has been requested specifically for the new stabling facility at Woombye.

The one hour minimum duration can only be effectively determined by a time and motion study, which Queensland Rail will undertake once the facility is complete and operations have been commenced

Where can I find out more information?

The latest project news can be found at www.queenslandrail.com.au/stabling.

If you would like to speak with the Project Team, please email stabling@qr.com.au or phone 1800 783 334 (free-call).