



Wilgerup Mine Development

Proposed Proper Bay Wharf Upgrade - Environmental Considerations and Management

May 2008

Centrex and their consultants are undertaking investigations into the potential environmental effects of the proposed redevelopment of the Proper Bay Wharf. While some background studies have been completed, further investigations are also being undertaken as the design of the proposed facility is developed in more detail. Once completed, the results of these investigations and the proposed mitigation methods will be assessed in detail by the Government during the development assessment process. The purpose of this fact sheet is to provide information on the mitigation measures that are planned to manage environmental issues.

Centrex is investigating a range of environmental considerations including:

- Vegetation
- Fauna
- Noise
- Dust
- Coast and marine

Vegetation

The proposed development will be sited to minimise the need for vegetation clearance. The proposed new buildings will be located within the area where vegetation is patchy and has been degraded by previous development.

The main strategy to reduce vegetation impacts is to site the proposed buildings and roads in areas which have been cleared or disturbed previously. In accordance with the *Native Vegetation Act 1991* Centrex will provide an environmental offset for the vegetation cleared.

What is an environmental offset?

Under SA's *Native Vegetation Act 1991*, an application for clearance of native vegetation needs to include details of how the applicant will 'offset' the loss of vegetation to provide an equal environmental benefit to the region. This environmental benefit can be in many different forms including maintenance or restoration of existing native vegetation, revegetation, or a financial contribution to an environmental fund. The purpose of the offset is to provide an overall improvement to the environmental and biodiversity value of the area.

Fauna

A nesting pair of Ospreys, are using the existing ship loading structure on the jetty at Proper Bay. Ospreys are listed as Rare in South Australia under the *National Parks and Wildlife Act 1972*. These birds have probably been using the site for a number of years as ospreys are known to be monogamous and return to formerly successful nesting sites. With the help of an osprey expert Centrex are currently investigating options for moving the birds. This could involve introducing an artificial nest structure in a near by location.

Noise

Potential noise sources may include truck unloading, operation of the extraction fans and loading of the barge / ship at the end of the wharf via a conveyor.

A noise assessment has been undertaken for the proposed facility. Noise modelling was undertaken to ensure that potential noise generated from the facility would comply with the noise level limits of the *Environmental Protection (Industrial Noise) Policy 1994*. The assessment examined what the noise level would be at the boundary of the Lincoln Cove residential area using the urban residential night time noise level limit as a guide.

The assessment found that with appropriate mitigation measures noise from the facility would be below the noise level limit even during the worst case weather conditions. Centrex are investigating the details of noise mitigation which could include an earth barrier to reduce noise emissions from the facility.

For more information on noise refer to the Noise Fact Sheet.

Dust

An air quality impact assessment has been undertaken to predict the impact of dust from the proposed wharf operations. The assessment found that at worst, the wharf activity would cause a very minor increase above the existing dust and particulate matter levels but that any impact will be confined to the Proper bay lease area and will meet the relevant EPA standards.

The design of the wharf facility has included a high level of attention to dust mitigation with a fully enclosed conveyor system and a specially sealed "negative pressure" shed.

For more information on dust, refer to the Dust Fact Sheet.

Coast and marine

Further studies to consider the potential impacts to marine and coastal ecology are being undertaken. Once this information becomes available Centrex will advise community on the likely impacts and mitigation measures through a marine information Fact Sheet.

For more information or to have your say contact:

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