



Ass # 701

Bull # 640

State # 313

WESTERN AUSTRALIA

MINISTER FOR THE ENVIRONMENT

**STATEMENT TO AMEND CONDITIONS APPLYING TO A PROPOSAL
(PURSUANT TO THE PROVISIONS OF SECTION 46 OF THE
ENVIRONMENTAL PROTECTION ACT 1986)**

PROPOSAL : PEEL INLET - HARVEY ESTUARY MANAGEMENT
STRATEGY, STAGE 2 (010/701)

CURRENT PROPONENT : MINISTER FOR TRANSPORT
MINISTER FOR AGRICULTURE
MINISTER FOR WATERWAYS

CONDITIONS SET ON : 3 JANUARY 1989

CONDITIONS AMENDED ON : 2 OCTOBER 1991

Condition 1 is amended to read as follows:

1A Proponent Commitments

In implementing the proposal, including the amendments reported on in Environmental Protection Authority Bulletins 543 and 640, the proponent shall fulfil the commitments (which are not inconsistent with the conditions or procedures contained in this statement) made and listed in Appendix 2 of Environmental Protection Authority Bulletin 363, as amended, and subsequently, including the Department of Marine and Harbours letter of 24 February 1992 on reclamation associated with the Dawesville Channel. (A copy of the commitments is attached).

1B Implementation

Subject to the conditions in this amended statement, the manner of detailed implementation of the proposal shall conform in substance with that set out in any designs, specifications, plans or other technical material submitted by the proponent to the Environmental Protection Authority with the proposal. Where, in the course of that detailed implementation, the proponent seeks to change those designs, specifications, plans or other technical material in any way that the Minister for the Environment determines on the advice of the Environmental Protection Authority, is not substantial, those changes may be effected.

The following conditions and procedure are inserted following condition 14 (which resulted from the amendment of 2 October 1991):

15 Estuary Reclamation (Dawesville Channel)

15-1 The proponent shall ensure that the total area of estuary reclaimed in association with the

Published on
19 APR 1993

construction of the Dawesville Channel does not exceed 25 hectares (ha). Five hectares of this land may be granted to Wannunup Development Nominees Pty Ltd as part of an existing Land Exchange Agreement with the State Government. The remaining 20 hectares shall be available for public use. Five hectares of this land can include part of the canal waterway, to be available for public use.

15-2 The proponent shall endeavour to reduce the area of reclamation associated with the construction of the Dawesville Channel specified in condition 15-1 by increasing the height of the spoil, consistent with the recreational use of the reclaimed land, to the requirements of the Environmental Protection Authority on advice of the Peel Inlet Management Authority.

16 Foreshore Vegetation (Dawesville Channel)

Foreshore vegetation in and near the area of construction of the Dawesville Channel should be retained wherever possible.

16-1 The proponent shall ensure that the foreshore vegetation in and near the area of construction of the Dawesville Channel is retained wherever possible. Those stands of Casuarina, Paperbark and Tuart which are located on/along the existing foreshore and outside the proposed alignment of the channel should be retained, to the requirements of the Environmental Protection Authority on advice of the Peel Inlet Management Authority.

17 Compliance Auditing

In order to ensure that environmental conditions and commitments are met, an audit system is required.

17-1 The proponent shall prepare periodic "Progress and Compliance Reports", to help verify the environmental performance of the Peel Inlet - Harvey Estuary Management Strategy, Stage 2, in consultation with the Environmental Protection Authority.

Procedure

The Environmental Protection Authority is responsible for verifying compliance with the conditions contained in this statement, with the exception of conditions stating that the proponent shall meet the requirements of either the Minister for the Environment or any other government agency.

If the Environmental Protection Authority, other government agency or proponent is in dispute concerning compliance with the conditions contained in this statement, that dispute will be determined by the Minister for the Environment.

Note

Conditions 15 and 16 relate to the construction of the Dawesville Channel and should be audited in association with condition 7.


Kevin Minson MLA
MINISTER FOR THE ENVIRONMENT

16 APR 1993

MANAGEMENT COMMITMENTS MADE BY THE PROPONENTS

The following list has been amended by the EPA and accepted by the proponents to reflect the 'whole of Government approach' which is essential for management of this proposal.

1. DAWESVILLE CHANNEL

- 1.1 The proponents will conduct a detailed survey to locate, assess and offer protection to Aboriginal sites and heritage.
- 1.2 During construction of the Dawesville Channel, the proponents will ensure the continuity of road access, power supply, communications, and water and sewerage services that require relocation, and will minimize dust and noise impacts upon nearby residential areas.
- 1.3 Spoil from the excavated channel will be used in redeveloping the fill areas as a stable and varied landscape, reflecting naturally occurring topography elsewhere on the coastal strip.
- 1.4 The proponents will manage spoil disposal to minimize disturbance to important land elements, including coastal dunes, tree belts along Old Coast Road and near the estuary foreshore. Spoil disposed of adjacent to the undisturbed coastal dunes will be contoured to co-ordinate with natural dune topography in order to minimize the potential for erosion.
- 1.5 The land area used to dispose of excavated material will be contoured to facilitate possible future development into a prime residential and holiday area. Views from existing residences near the estuary will be retained, taking into consideration that these views may have been ultimately reduced by foreshore development and landscaping, irrespective of the proposed channel development.
- 1.6 Littoral sand drift northwards along the ocean coast will be mechanically bypassed beyond the channel entrance, to minimize siltation within the channel and to avoid adverse effects on beaches to the north and south.
- 1.7 The Dawesville Channel will be maintained as a navigable waterway, although, as with the existing Mandurah Channel, sea conditions at the ocean entrance may frequently preclude its use by small boats.
- 1.8 The estuary will be closely monitored to evaluate the management strategy's success in reducing the algal nuisance and to enable the development of appropriate management strategies to mitigate any deleterious effects that may occur. Current and proposed future monitoring studies in the estuary are described in Section 13 of the ERMP and Section 11 of the EPA assessment report.

2. CONTROL OF WEED ACCUMULATIONS

- 2.1 Weed harvesting will be continued most likely at an increased rate, until the weed nuisance in the estuary is successfully reduced.
- 2.2 Possible methods of improving the efficiency of harvesting operations, and the possible use of algicides to control weed growth, will be evaluated by the proponents and implemented if shown to be practicable.

2.3 The Peel Inlet Management Authority will continue the existing programme of shoreline management and will rehabilitate areas where weed accumulations or harvesting operations cause excessive retreat of the shoreline.

3. CATCHMENT MANAGEMENT

3.1 The proponents will continue to provide advice to farmers on fertilizer requirements, based on accurate assessment by paddock-specific soil tests.

3.2 The proponents will encourage further development and use of individual-nutrient fertilizers, and will undertake detailed investigations of ways to overcome existing economic constraints to their production and use.

3.3 The proponents will ensure that large-scale field trials are carried out to ascertain the technical and economic feasibility of converting use of sandy soils from agriculture to forestry. Private enterprise involvement in these studies will be encouraged.

3.4 The EPA and the Department of Agriculture will continue to provide advice to producers to define and implement practicable and cost-effective waste management strategies for control of point sources of phosphorus.

3.5 The Department of Agriculture will coordinate the preparation and implementation of a detailed catchment management plan aimed at reducing phosphorus losses to the estuary to less than 85 t/a in a 60 percentile year with minimal economic or social disruption to the catchment community.

3.6 The proponents will implement a moratorium on further clearing and drainage in the catchment, pending determination of the success of the catchment management plan in reducing phosphorus losses from existing cleared land.

3.7 The success of catchment management measures in reducing phosphorus losses to the estuary will be monitored by the proponents and audited by the EPA. The social and economic effects of catchment management measures upon the catchment community will be closely monitored by the proponents. Current and proposed future monitoring studies are described in Section 13 of the ERMP and in Section 11 of the EPA assessment report. The catchment management plan will be regularly reviewed by the EPA.

Your Ref:
Our Ref:
Enquiries:

NS/4/403/90
Mr N Siragusa

DEPARTMENT OF
MARINE & HARBOURS
WESTERN AUSTRALIA



1 ESSEX ST., FREMANTLE
P.O. BOX 402 FREMANTLE, W.A. 6160
TELEPHONE (09) 335 0888
TLX: 94784 FAX: 335 0850

24 February 1992

Chairman
Environmental Protection Authority
38 Mounts Bay Road
PERTH 6000


Attn: Ms E Bunbury

DAWESVILLE CHANNEL - ESTUARY FORESHORE RECLAMATION

I refer to my advice regarding the proposed amendment to the alignment, and magnitude of the Estuary Foreshore Reclamation works associated with the above project.

As project manager of the above works, and on behalf of the joint proponents, this Department commits to undertake the following in relation to the revised foreshore reclamation:-

- * A commitment to retain existing foreshore vegetation where possible, in particular existing Casuarina, Paperbark and Tuart stands along the existing foreshore should be retained outside the proposed channel alignment.
- * The preparation and implementation of a landscape plan, which would include final fill levels, re-vegetation details of exposed areas and a clear undertaking of who will take responsibility for the long-term management of the reclaimed area.
- * The adherence to all appropriate recommendations from the Peel Inlet Management Programme pertinent to the area.

 **STUART HICKS**
GENERAL MANAGER

[c24bns.st]4/pm