



Ass # 462

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State # 260

WESTERN AUSTRALIA  
MINISTER FOR THE ENVIRONMENT

**STATEMENT THAT A PROPOSAL MAY BE IMPLEMENTED  
(PURSUANT TO THE PROVISIONS OF THE  
ENVIRONMENTAL PROTECTION ACT 1986)**

**RIVERSIDE GARDENS (WEST), DREDGING & LANDFILL  
KING WILLIAM STREET, BAYSWATER (462)**

**CITY OF BAYSWATER**

This proposal may be implemented subject to the following conditions:

**1. Proponent Commitments**

The proponent is to meet the commitments made.

- 1-1 In implementing the proposal, the proponent shall fulfil the commitments (which are not inconsistent with the conditions or procedures contained in this statement,) made in the Public Environmental Review and subsequent correspondence. (A copy of the commitments is attached.)

**2. Implementation**

Minor variations to the proposal are permitted.

- 2-1 Subject to these conditions, 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.

**3. Monitoring Bores**

- 3-1 Prior to the completion of construction, the proponent shall put in place a monitoring system, including bores, and a reporting system, to the satisfaction of the Minister for the Environment on advice of the Swan River Trust.
- 3-2 The proponent shall undertake any action required for leachate management to the satisfaction of the Environmental Protection Authority on advice of the Swan River Trust.

**4. River Dredging**

Although landscaping of the landfill site is allowed, dredging of the river is not permitted.

- 4-1 The proponent shall not dredge the Swan River or its banks.

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## **5. Transfer**

- 5-1 No transfer of ownership, control or management of the project which would give rise to a need for the replacement of the proponent shall take place until the Minister for the Environment has advised the proponent that approval has been given for the nomination of a replacement proponent. Any request for the exercise of that power of the Minister shall be accompanied by a copy of this statement endorsed with an undertaking by the proposed replacement proponent to carry out the project in accordance with the conditions and procedures set out in the statement.

## **6. Time Limit on Approval**

- 6-1 If the proponent has not substantially commenced the project within five years of the date of this statement, then the approval to implement the proposal as granted in this statement shall lapse and be void. The Minister for the Environment shall determine any question as to whether the project has been substantially commenced. Any application to extend the period of five years referred to in this condition shall be made before the expiration of that period, to the Minister for the Environment by way of a request for a change in the condition under Section 46 of the Environmental Protection Act. (On expiration of the five year period, further consideration of the proposal can only occur following a new referral to the Environmental Protection Authority).

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Bob Pearce, MLA  
MINISTER FOR THE ENVIRONMENT  
19 MAY 1992

## PROPONENT'S COMMITMENTS

RIVERSIDE GARDENS (WEST), DREDGING & LANDFILL, KING WILLIAM STREET,  
BAYSWATER (462)

The following commitments were made by the proponent who will be responsible for all work undertaken, in consultation with and to the satisfaction of other authorities as follows:

### WATER AUTHORITY OF WESTERN AUSTRALIA

1. The present conditions of licence of the bore will be met.

### SECWA

Construction and maintenance work near the gas pipe-line easement will be carried out consistent with SECWA requirements, viz:

2. No building construction work, ie. toilet blocks, barbecues, etc. shall be located within five meters of the registered SECWA easement.
3. No vibratory compaction equipment shall operate within 20m of the pipeline.
4. Any heavy earthmoving machinery crossing the alignment of the pipeline during filling operations must do so using temporary paved access ways, the details of which shall be submitted to SECWA for approval prior to construction commencing.
5. No tree planting should be carried out on the SECWA easement nor within 3m of the pipeline.
6. No barbecues or storage of flammable substances shall be permitted within the 5m easement.

### DEPARTMENT OF MARINE & HARBOURS

7. The dredging plant will be fitted with navigation and warning devices to the satisfaction of the Department of Marine & Harbours.

### SWAN RIVER TRUST

#### Category A: General

8. The Swan River Trust will continue to have a membership and voting rights of two representatives on the City of Bayswater Foreshore Advisory Committee, whose regular meetings will provide opportunities for the Trust to be kept advised formally of progress on the entire Riverside Gardens project, and which will allow the Trust to assist and play an active role in responsible development of this important area.

## Category B: Specific tasks

A number of commitments are made by the proponent (see below) where detailed design and engineering and work controls cannot be specified either at this stage or until work commences. For example, some actions will depend on the weather conditions and rainfall, and optimising the work and minimising environmental impact will be assisted by flexibility.

For all these commitments, the proponent provides the broad commitment to carry out such broad classes of work, as indicated below, to the satisfaction of the Swan River Trust, as being the State Government authority charged most directly with responsibility for the Swan River and its immediate involvement.

### 9. River-bank stability

Dredging design will broadly follow the guidelines:

From RL 0 down to RL -1.0      10 horizontal to 1 vertical slope  
From RL -1.0 down to RL -2.0      7 horizontal to 1 vertical slope  
From RL -2.0 to bottom dredging      4 horizontal to 1 vertical slope

### 10. Benthic buffer zone

A buffer zone of approximately 10 metres from the foreshore will be maintained, except in the embayment area.

### 11. Dredging depth

As a general guideline, and with due regard to the present irregularity of the riverbed, dredging will take approximately 1 metre of sandy material from the bottom while evening up the existing riverbed to an RL of AHD -4.0 to -4.5m approximately.

### 12. Dredging length

Dredging will extend approximately from the prolongation of Milne Street in the west to approximately the prolongation of Epsom Avenue in the east.

### 13. Extension of dredging

Any extension of dredging will be to the east (upstream), where the river shallows over a thick sandy bed.

### 14. Navigation dredging

Extension of dredging will assist navigation, and will be carried out in consultation with the Department of Marine and Harbours.

### 15. River "holes"

The present riverbed has "holes" of concern to the Swan River Trust. While such "holes" below the dredging depth of -4.25m cannot be infilled during dredging, the general thrust of dredging will be to produce a level bottom, with gentle gradients at the upstream and downstream terminations. At the upstream, the river slope will be left as no steeper than 1 in 10 longitudinally. At the downstream, any new slopes will be no steeper than 1 in 10.

### 16. Existing River Use

Where appropriate, sufficient portions of dredge pipes will be located on the riverbed to permit river passage and to minimise interference with existing river use by water craft.

### 17. Timing of Project

The work will be undertaken during late autumn and winter months, which is the environmentally optimum period.

18. Bund Construction

The area to be covered with dredged fill will be isolated by constructing a temporary sand bund around the perimeter of the area. The area will be further divided into cells by subsidiary bunds as the work proceeds.

19. Bund location

The riverside boundary of the main bund will be located as an extension of the existing slope, on the rubbish and not on the immediate foreshore.

20. Bund stability

The sides of the bund will be treated by methods such as hydromulching.

21. Final bund treatment

At completion, the bunds will be merged into the landscaping, in accordance with the landscape Master Plan when detailed design is completed.

22. Settling ponds

At least two settling ponds will be provided.

23. Turbidity

Overflow from settling ponds will be via steel outlet pipes, discharging settled water below river level. Nominal settling time will be several hours.

24. Monitoring of turbidity

Should signs of excess turbidity appear in the discharge water, so that spoil is being excessively lost from the site, the settling ponds will be increased to allow longer settling times.

25. Discharge of waste waters

Discharge of waste waters into the river will be below river level, with scouring minimised if necessary by temporary protective concrete or other cladding at the outfall.

26. Foreshore

The existing foreshore will be left basically in its present state except in the area of the embayment. Minor cosmetic work, such as removal of litter, will be undertaken in conjunction with the community after completion of this project.

(1) All surface rubbish together with vegetation will be stripped from the site prior to dredging, and relocated.

(2) The perimeter bund adjacent to the embayment area will be constructed prior to any dredging work commencing.

(3) Any subsurface rubbish will be removed by dry excavation, utilising conventional earthmoving equipment. Rubbish of a minor extent will be buried on site prior to dredging work commencing. Any larger items of rubbish encountered, such as old car bodies, will be removed from the site.

(4) All useful topsoil from the area will be stripped and stockpiled for subsequent reuse.

(5) The dredging of the embayment area will establish a gentle 1:10 beach slope.

27. Tree preservation

All substantial existing trees will be preserved with the exception of one in the embayment area. The major bund will be constructed so as to exclude fringing trees from direct contact with wastewater and spoil discharges.

28. As part of the final landscaping design, approximately 1,000 native trees and shrubs will be planted.

29. Avon Descent

As far as practicable, specific arrangements will be made for Avon Descent participants in 1991 to have additional use of Hinds Reserve, if this project appears likely to interfere with the normal programme.

30. Bayswater Sea Scouts

As far as practicable, minimum interference will occur with Sea Scouts and other traditional uses of the foreshore area to the west of the site.

31. Dust

The top surface and exposed outside banks of the bund will be seeded to minimise any temporary dust problem.

32. Nutrients

After dredging and landscaping are complete, at an appropriate time, soil analysis will be carried out as part of the landscaping design, to optimise nutrient selection and planning.

33. Community information

The proponent will continue its present programme of informing the community about the development of Riverside Gardens.

34. Information Signs

The proponent will erect informative signs to maximise both community understanding of the project and its purposes, and to assist in safety.

35. Safety

Vehicular access will remain restricted and pedestrian access will be strictly managed and monitored during the works, for safety reasons.