

Ass # 302

Bull # 457

State # 126



WESTERN AUSTRALIA  
MINISTER FOR THE ENVIRONMENT

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

**WASTEWATER TREATMENT PLANT, AUGUSTA**

**WATER AUTHORITY OF WESTERN AUSTRALIA**

This proposal may be implemented subject to the following conditions:

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 Consultative Environmental Review. (A copy of the commitments is attached).
2. 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. Prior to commissioning, the proponent shall prepare and subsequently implement, a monitoring and management programme for the wastewater treatment site, and also Redman Brook and Flinders Bay, to the satisfaction of the Minister for the Environment.
4. The proponent shall be responsible for decommissioning and removal of the plant and installations and rehabilitating the site and its environs to the satisfaction of the Environmental Protection Authority. At least six months prior to decommissioning, the proponent shall prepare and subsequently implement a decommissioning and rehabilitation plan to the satisfaction of the Environmental Protection Authority.

Published on

**27 FEB 1991**

5. 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).

Bob Pearce, MLA  
MINISTER FOR THE ENVIRONMENT

25 FEB 1991

# Wastewater Treatment Plant for Sewage Scheme, Augusta - Water Authority of Western Australia

## Monitoring and Review Commitments

Unless otherwise stated below, the following environmental monitoring and review commitments are made for the life of the current facility.

1. The Water Authority will monitor nutrient loadings in the infiltration area and Redman Brook.  
Should the nutrient levels in Redman Brook that are attributable to the treatment plant become high enough to be detrimental to the sustainability of the surrounding environment, the Water Authority will install extra treatment facilities to treat the effluent from the ponds system.  
Nutrient removal plants that will accept the effluent from a pond system are currently being investigated by the Wastewater Design Branch.
2. The Water Authority will monitor the bacterial loadings at the end of the pond system, the groundwater at the edge of the infiltration area, and in Redman Brook.  
Should the bacterial levels in the groundwater at the edge of the infiltration area become higher than the measured background levels in Redman Brook, then extra disinfection equipment will be installed at the end of the pond system.
3. The Water Authority will monitor the surface flow of effluent across the infiltration site.  
If the effluent reaches Redman Brook or the surface waters connected to Redman Brook, a sandy bund will be constructed at the location shown on plan BQ88-21-2, Appendix 5. The detention time through the bund will be approximately 1 week under normal conditions, and 1 day under the flood conditions produced by a 1 in 50 year storm.
4. The Water Authority will monitor the condition of the native vegetation and the salt content of the seasonal groundwater beneath the infiltration area.  
If the native trees suffer from the extra water and nutrient availability then the Department of Conservation and Land Management will log the area and establish a suitable plantation on the infiltration site.  
If the salt content becomes so high that it starts to effect the vegetation, a salt export program will be initiated. Depending on the salt concentrations, the salt will either be discharged via Redman Brook, or taken straight to the ocean.
5. The Water Authority will monitor Periphyton growth in Flinders Bay near the mouth of Redman Brook for an initial period of 2 years, followed by annual reviews of the program. The Water Authority requests assistance from the Marine Impacts Branch of the Environmental Protection Authority to set up the monitoring program.
6. The Water Authority will maintain an annual photographic record of the condition of the Infiltration Area, Redman Brook near the infiltration area, and Flinders Bay.  
The Water Authority will monitor the condition of the Waste Stabilisation ponds.  
Should the ponds not function properly then the standard corrective methods (as outlined in the original proposal ) will be instigated to fix the problem.