

Ass # 499

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State # 123



WESTERN AUSTRALIA
MINISTER FOR THE ENVIRONMENT

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

EVALUATION OF SUMILARV FOR MIDGE CONTROL, NORTH LAKE

CITY OF COCKBURN

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 the commencement of field work, the proponent shall advertise the intention to apply Sumilarv in North Lake, to the satisfaction of the Environmental Protection Authority on advice of the Health Department of WA.
4. Prior to 1 July 1991, the proponent shall prepare and submit a detailed report on the outcome of the trials, to the satisfaction of the Environmental Protection Authority.
5. In the event that unacceptable environmental consequences occur as a result of the application of Sumilarv, the proponent shall rehabilitate the site and its environs to the satisfaction of the Environmental Protection Authority.
6. 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.

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7. If the proponent has not substantially commenced the project within two 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 two 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 two year period, further consideration of the proposal can only occur following a new referral to the Environmental Protection Authority).

NOTE

Whilst not forming a condition of implementation of this proposal, the proponent should endeavour to develop long term solutions for midge control based on the principals of Integrated Pest Management. Priority should be given to developing strategies for improving water quality within wetlands and drains. It is expected that the proponent will liaise closely with the Environmental Protection Authority regarding these matters.



MINISTER FOR THE ENVIRONMENT

- 8 FEB 1991

ENVIRONMENTAL MANAGEMENT COMMITMENTS

The following commitments are made by the proponent:

1. Invertebrate (including midge larvae and adults), fish populations and water quality parameters will be monitored before and after the application of Sumilarv.
2. Phytoplankton production will be monitored by the measurement of chlorophyll-a concentration. This will provide information on the impacts of Sumilarv.
3. If the results of monitoring suggest that any component of the lake ecosystem has been adversely affected, then monitoring will be extended.
4. Bird carcasses that are found in the lakes during the field trials will be collected and an attempt will be made to determine the cause of death.
5. Operators should wear protective clothing such as a hat, overalls, face shield, rubber gloves and safety glasses.
6. Clothing should be changed and laundered after application of the pesticide.
7. Spilt granules on land can be swept up and reused. Protective clothing should be worn whilst this is carried out.
8. If eye contamination occurs, then eyes should be flushed immediately with water for at least 15 minutes. If swallowed, refer to doctor or nearest hospital.
9. Public enquiries or complaints, if any, should be referred to the relevant Local Government Authority.
10. The results of these field trials and the Murdoch University laboratory trials will be published in the 1991 midge research report to be produced by the Murdoch Midge Research Team.
11. The exact date of each experiment is yet to be determined because they will be timed to coincide with high larval densities at the lakes. It can be expected that the first trial will take place in September or October 1990 with subsequent experiments to be completed by the end of March 1991.
12. The monitoring of the effectiveness of Sumilarv against midges and its impact upon non-target organisms will be carried out by the Murdoch Midge Research Team.
13. Sumilarv will be applied to the lakes by employees of the relevant Local Government Authority.
14. This proposal will involve the construction of six plastic enclosures for each for field trial, treatment of the lake with Sumilarv 0.5G and monitoring of biological and physico-chemical environmental parameters.
15. The majority of this work will take place in the spring/summer of 1990/91. Three field trials each of five weeks' duration will take place during this period.
16. The Murdoch Midge Research Team is accountable to the Midge Research Steering committee, which is comprised of representatives from both State and Local Government Authorities and all work is carried out under the general guidance of this committee.

17. Lake Monger is the preferred site for the field trials as its midge species composition and physico-chemical characteristics are different to North Lake where limited field trials have already taken place. However, if chironomid larva densities do not increase sufficiently in an area suitable for the placement of enclosures, then the field trials will take place at North Lake.