

Ass # 120

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State # 015



MINISTER FOR ENVIRONMENT

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

PROPOSED LIQUID WASTE TREATMENT PLANT
AT WESTFIELD - HEALTH DEPARTMENT OF WESTERN AUSTRALIA

This proposal may be implemented subject to the following conditions:

1. Adherence by the proponent to the proposal as assessed by the Environment, Protection Authority and fulfillment of the environmental commitments made by the proponent (list of major commitments attached).
2. The proponent shall, prior to commissioning of the project, submit a detailed management plan to the satisfaction of the Environmental Protection Authority. This plan shall address the following issues:
 - . odour control;
 - . noise levels;
 - . disposal of solids;
 - . disposal or retreatment of out-of-specification liquid effluent; and
 - . contingency plans for flooding, spillages, equipment failure and accidents.

Barry Hodge, MLA
MINISTER FOR ENVIRONMENT

2 1 JAN 1988

see also Statement # 43.

PROPOSED LIQUID WASTE TREATMENT PLANT

AT WESTFIELD -

MANAGEMENT AND OTHER COMMITMENTS MADE

BY THE PROPONENT

1. DESIGN, CONSTRUCTION AND COMMISSIONING

- 1.1 The proposed plant will upgrade the disposal of septage and grease trap wastes to a standard in line with modern technology. A modern high technology plant will be constructed.
- 1.2 The "lime stabilization" process selected will produce an effluent acceptable to the Water Authority of WA sewers.
- 1.3 Turning lanes will be installed at the Armadale Road/Westfield Road intersection to ensure that traffic flow on Armadale Road is not interrupted.
- 1.4 Approximately twelve months is required for detailed design and construction. If this time plan is followed, commissioning and operation can be expected in the second half of 1988.

2. ENVIRONMENTAL ISSUES

- 2.1 The environmental management objectives are to construct and operate a facility which employs an up-to-date method of disposal and meets all necessary legislative environmental standards. The achievement of these objectives will be facilitated by the following measures:
 - (a) management of plant to control odours and other nuisances;
 - (b) development of a management plan to cover contingencies such as equipment failure, spillages, accidents and out-of-specification effluent;
 - (c) preventive maintenance;
 - (d) recycling and reuse of treated grease and sludge, where possible;
 - (e) handling and security arrangements to control incoming waste;
 - (f) testing of incoming waste to control shock pollutant loads;
 - (g) strict control of solid and liquid discharges; and
 - (h) strict overseeing of operations by the Health Department of WA, the Water Authority of WA and the Environmental Protection Authority.
- 2.2 The proposed plant will be designed to minimise odours from all areas of the plant.
- 2.3 Off-loading will be through totally enclosed hoses and all liquid and solid treatment areas will be ventilated.
- 2.4 Extracted air will be treated before discharge by well proven technology, such as chlorination units or activated carbon filters.
- 2.5 With sewer connection being available nearby, all liquid effluent will be discharged to that system under the control of the Water Authority of WA.

- 2.6 Solid wastes will consist of grease from the grease trap treatment unit and sludge and screenings from the septage treatment facility. Recovered grease will if possible be sold to rendering industries or transported in an enclosed bin to a Health Department approved sanitary landfill site for immediate burial.
- 2.7 Dewatered sludges will be transported in enclosed trucks to a Health Department approved sanitary landfill site, or if a market exists, sold as a soil conditioner.
- 2.8 Noise from the plant is not expected to be a problem as all equipment will be housed. The exception may be a few pumps, but as none of these will be larger than 5 KW the noise level will be minimal.
- 2.9 The plant will only be open for waste delivery between 7.30 am and 5.00 pm weekdays and 9.00 am to 12 noon Saturdays and Sundays.

3. CONTINGENCY PLANNING

- 3.1 Spillages of liquid waste within the plant will be rare as off-loading, treatment and disposal will be carried out in enclosed pipes, pumps and tanks.
- 3.2 Should spillages occur, there will be ample water hoses available throughout the plant for clean-up operations. Waste water will drain into the treatment system through non-return valves.

4. PUBLIC ACCOUNTABILITY

- 4.1 Liaison with local residents and their elected representatives is very important; a Liaison Committee will be established to monitor and to be informed of the activities at the plant.

(The Committee could consist of one or two elected members of the City of Armadale Council, the local health surveyor and one or two local residents. These people would meet at regular intervals with the manager of the plant and representatives of the Health Department of WA, the Water Authority of WA and the Environmental Protection Authority.)



MINISTER FOR ENVIRONMENT

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

PROJECT : WESTFIELD SEPTAGE TREATMENT PLANT

PROPONENT : HEALTH DEPARTMENT OF WESTERN AUSTRALIA

CONDITIONS SET : 21 JANUARY 1988

Condition 1 has been amended as follows:

"The plant will only be open for waste delivery between 7.00 am and 5.00 pm weekdays and between 9.00 am and 4.00 pm Saturdays. The plant will be closed for waste deliveries on Sundays."

Barry Hodge, MLA
MINISTER FOR ENVIRONMENT

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