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WESTERN AUSTRALIA  
MINISTER FOR ENVIRONMENT

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

NON-HAZARDOUS INDUSTRIAL LIQUID WASTES  
TREATMENT PLANT, FORRESTDALÉ

(HEALTH DEPARTMENT)

This proposal may be implemented subject to the following conditions:

1. The proponent shall adhere to the proposal as assessed by the Environmental Protection Authority and shall fulfil the commitments made in the Public Environmental Report, in response to issues raised during the assessment, and in subsequent correspondence (copy of consolidated commitments attached).
2. 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 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.

Bob Pearce, MLA  
MINISTER FOR ENVIRONMENT

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## **Non-hazardous industrial liquid wastes treatment plant, Forrestdale - proponent's commitments**

The Proponent makes the following commitments to the Environmental Protection Authority relating to its proposal to establish a new Industrial Liquid Wastes Treatment Facility.

### **General commitments**

1. The proponent will adhere to the proposal as assessed by the Environmental Protection Authority and will fulfil the commitments made below.
2. The non-hazardous industrial liquid waste treatment plant will be constructed and operated according to relevant Government statutes and agencies' requirements, including those of the following:
  - . Environmental Protection Authority;
  - . Water Authority of WA;
  - . City of Armadale;
  - . WA Fire Brigades Board;
  - . State Energy Commission;
  - . Department of Occupational Health, Safety and Welfare; and
  - . Mines Department.

### **Industrial liquid waste generation**

3. The proponent will supply, to the Environmental Protection Authority's satisfaction, a complete record of all the generators of non-hazardous industrial liquid waste in the Metropolitan area, prior to the commissioning of the plant and thereafter on a regular basis.

### **Nature of waste to be accepted at the plant and procedures to monitor this**

4. The plant will receive only non-hazardous liquid industrial wastes (as defined in PER) for treatment.
5. All incoming wastes will be recorded and sampled at the site gatehouse before referral to the plant. The name, address and licence number of the generator will be recorded. In addition, the composition and volume of waste, the names of the transporter and the waste treatment operator will be recorded. The complete procedure will be covered by a docket system to the satisfaction of the Environmental Protection Authority.
6. If hazardous waste is brought to the plant it will be either treated to render it non-hazardous or returned to the generator. A prosecution under the Health Act for such an offence is likely to follow. The Environmental Protection Authority will be notified of such incidences within a five days period. Facilities will be provided for temporary storage of off-specification wastes in two enclosed tanks totalling 75kL, if necessary, prior to treatment or being returned to the generator.

### **Illegal dumping of industrial liquid waste**

7. The proponent will supply, to the Environmental Protection Authority's satisfaction, a plan on how it intends to control the prevention of illegal dumping of non-hazardous industrial liquid waste in the Metropolitan area, prior to the commissioning of the plant and will continue to update it during the operation of the plant. The proponent will also implement the plan to the satisfaction of the Environmental Protection Authority.
8. The proponent will circulate to all non-hazardous industrial liquid waste generators and transporters copies of this assessment report to ensure that they understand the concern the Environmental Protection Authority has regarding illegal dumping.

## **Pre-treatment of Industrial liquid waste at source**

9. The proponent will supply to the Environmental Protection Authority a plan on how it intends to ensure that pre-treatment of hazardous waste in the Metropolitan area will be undertaken at source so as to render it non-hazardous prior to transport to the treatment plant. In this plan the proponent will also indicate how it will monitor the adequate cleansing of vehicles prior to collection of waste to ensure against mixing wastes which could produce hazardous substances. This plan will be developed to the Environmental Protection Authority's satisfaction prior to commissioning the plant. The proponent will also implement the plan to the satisfaction of the Environmental Protection Authority.

10. The proponent will circulate to all non-hazardous industrial liquid waste generators and transporters copies of this assessment report to ensure that they understand the concern the Environmental Protection Authority has regarding adequate pre-treatment of hazardous waste prior to transport.

## **Wastewater management commitments**

11. The proponent will build a wastewater treatment facility with adequate, noise and odour control. It will be designed and installed by a recognised water/wastewater treatment contractor to the satisfaction of the Environmental Protection Authority. The system will be operated and monitored to the satisfaction of the Environmental Protection Authority and all relevant government agencies.

12. Effluent being discharged from the plant to the Water Authority Sewer will be maintained within standards that enable the Water Authority's effluent discharge quality criteria for the Septage Treatment Plant to be satisfied.

13. The Plant effluent quality and flow will be monitored prior to discharge to the sewer. If the quality is unacceptable to the Water Authority the effluent will be retreated.

## **On-site spillage**

14. The facility will be designed and operated to contain any liquid spillages and contaminated runoff within the site boundaries, to the satisfaction of the Environmental Protection Authority.

15. In the case of leakage to the surrounding environment, the proponent will immediately clean up such leakage to the satisfaction of the Environmental Protection Authority, the Water Authority of Western Australia and City of Armadale.

16. The proponent will bund all areas in the plant where there is potential for stormwater to wash spillage to the surrounding environment, and will do this to the satisfaction of the Environmental Protection Authority during construction of the plant.

17. All above-ground tanks and liquid waste treatment areas will be banded or otherwise provided with means of preventing escape of liquids either to the ground or as surface runoff, to the satisfaction of the Environmental Protection Authority and the Water Authority. All contained spillages, wash water and contaminated runoff within the sealed and banded areas will be returned to the treatment process.

## **Monitoring**

18. Prior to construction, the proponent will submit and subsequently implement a monitoring programme to the satisfaction of the Environmental Protection Authority and the Water Authority of Western Australia.

The monitoring programme will include:

- . initial baseline sampling period to determine whether impacts are presently occurring;
- . parameters to be measured;
- . sampling sites and times;
- . reporting and notification times to the Environmental Protection Authority, and
- . a commitment to modify the environmental management programme, if necessary, to reduce the impact of pollution, to the satisfaction of the Environmental Protection Authority.

19. All samples taken in the monitoring programme will be analysed in a laboratory acceptable to the Environmental Protection Authority.

20. The quality of water in the site perimeter drains, as well as groundwater from the production bore adjacent to the dewatering building will be monitored to the satisfaction of the Environmental Protection Authority, prior to commissioning and during operation on a regular basis to ensure that no contamination is occurring due to the operation of the plant. Should any contamination be detected appropriate action will be taken to the satisfaction of the Environmental Protection Authority.

#### **Solid waste**

21. The proponent will dispose of all solid wastes off-site, and will obtain the approval of the Local Government Authority and the Environmental Protection Authority for the method and location of solid waste disposal prior to commissioning the plant.

#### **Plant equipment and security**

22. Standby electrical power will be provided by a diesel fired generator set, already installed and connected to the Septage Plant.

23. The plant equipment, process and storage area will be made and kept safe from explosion of flammable constituents, to the satisfaction of the Mines Department.

24. The plant equipment, process, storage area and surrounding area will be made and kept safe from fire to the satisfaction of the Mines Department.

25. Fire fighting facilities will be installed to the approval of the WA Fire Brigade.

26. Electrical wiring, equipment and instrumentation will be designed and installed in compliance with AS3000 and all other applicable Australian Standards. This equipment will be made and kept safe to the satisfaction of the State Energy Commission.

27. The Plant will be designed and constructed in accordance with the Occupational Health, Safety and Welfare Regulations, 1988.

28. The proponent will fence the proposed plant to the same standard as that for the Septage Treatment Plant and maintain it to that standard at all times. All storage facilities will be maintained to the satisfaction of the Mines Department.

#### **Noise**

29. The proponent commits itself to operating the plant within the hours of 6 AM and 9 PM except in the case of an emergency. If such an emergency arises the proponent will inform the Environmental Protection Authority of that event within two days of the occurrence.

30. The proponent will design and operate the plant so as to minimise noise generation and noise levels at the boundary of its site at all times to the satisfaction of the Environmental Protection Authority.

## **Odour**

31. All treatment processes and waste handling operations that could generate odours detectable at the site boundary will be enclosed with provision for odour control and be to the satisfaction of the Environmental Protection Authority.

## **Traffic routes**

32. The proponent will liaise with the Local Government Authority and relevant Government Agencies including the Pollution Control Division of the Environmental Protection Authority to identify appropriate traffic routes to the plant, prior to commissioning the plant.

## **Other commitments**

33. The proponent will prepare a landscaping plan, to the satisfaction of the Environmental Protection Authority, to improve the amenity of the area, prior to commissioning the plant and be to the satisfaction of the Environmental Protection Authority.

34. The proponent will ensure that dust will be controlled at all times to the satisfaction of the Environmental Protection Authority and the City of Armadale and any other relevant authorities.

35. The proponent will take immediate remedial action should failure of the treatment system occur which has the potential to, or actually causes an environmental impact, and will carry out remedial action to the satisfaction of the Environmental Protection Authority and all relevant authorities.

36. The proponent will control insects and weeds around the treatment plant including any sludge drying or holding facilities to the satisfaction of the Environmental Protection Authority and the City of Armadale.

37. If impacts unacceptable to the Environmental Protection Authority occur, the proponent will modify its pollution control operations, so that environmental impacts are reduced to a level acceptable to the Environmental Protection Authority.

38. The proponent will be responsible for decommissioning the plant and rehabilitating the site and its environs, to the satisfaction of the Environmental Protection Authority.

39. The proponent will, at least six months prior to decommissioning, prepare a decommissioning and rehabilitation plan to the satisfaction of the Environmental Protection Authority.

40. The proponent will not transfer ownership, control or management of the project, without prior consultation and arrangements being made which are to the satisfaction of the Environmental Protection Authority and The Hon. Minister for Environment.

## **General reporting**

41. Reports will be provided to the Environmental Protection Authority quarterly, on progress of the development of the plant and annually, on the operation of the facility after the plant is commissioned. Reporting will include advice to the Environmental Protection Authority on the fulfilment of any Ministerial Conditions and Commitments given by the proponent at relevant project stages.

42. Representatives of the proponent will meet regularly with the Community Liaison Committee consisting of representatives of the Forrestdale Community Association and the Armadale City Council and any other relevant party, such as the Pollution Action Network and the Conservation Council of Western Australia, to discuss development and operation of the plant.