



WESTERN AUSTRALIA
MINISTER FOR THE ENVIRONMENT

Ass # 473
Bull # 523
State # 161

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

FEED FLEXIBILITY PROJECT - BP REFINERY (473)

BP REFINERY (KWINANA) PTY LTD

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 proponent's Public 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 as part of 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. The proponent shall recognise that sulphur dioxide emissions for the project will be controlled to comply with conditions set by a licence issued under the Environmental Protection Act, 1986. These conditions will be consistent with the intent of the Draft Environmental Protection Policy for sulphur dioxide in Kwinana.

Subsequently, the proponent will be required to meet the requirements, revised as necessary, to conform with the Government approved Environmental Protection Policy for Kwinana.

4. The proponent shall compile an atmospheric emissions inventory, in consultation with the EPA, for its Kwinana operations to the satisfaction of the Environmental Protection Authority. This inventory shall be compiled by a date to be advised by the EPA (with not less than 3 months prior notice) to coincide with the inventory for the whole Perth airshed. Prior to the development of the emissions inventory the following conditions shall be fulfilled.
 - 4.1 The proponent shall provide EPA with a copy of its "programme of works to reduce hydrocarbon emissions" (as identified in Appendix 2, response to Question 5 in EPA Bulletin 523) from the refinery within 3 months of this statement being published. Such a document shall identify the proponents proposed and existing efforts to minimise hydrocarbon emissions from BP refinery.

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- 4.2 The proponent shall provide EPA with a programme for the development of the atmospheric emissions inventory within 9 months of this statement being published. The intention of this programme is for the proponent to identify the parameters to be measured, their frequency of measurement, and measurement locations. The programme shall be prepared, in consultation with the EPA, to be consistent with and complementary to the objectives of the Perth airshed study.

This condition, will assist EPA in determining appropriate licence conditions for the BP Refinery.

5. The proponent shall prepare, submit and when approved subsequently implement a Waste Management Programme for the management of solid wastes that result from its Kwinana operations to the satisfaction of the Environmental Protection Authority on advice from the Health Department of WA.
 - 5.1 The proponent shall prepare and submit an inventory of waste generated from its Kwinana operations within 12 months of the published date of this statement. This inventory shall consider alternative waste management techniques and outline a draft waste management programme.
 - 5.2 The implementation of the Waste Management Programme shall occur when the requirements of the programme can be met on advice from the Environmental Protection Authority and Health Department of WA and following the receipt of the inventory required in 5.1.
6. 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.
7. 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.
8. 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

29 JUL 1991

BP Refinery (Kwinana) Pty Ltd

ENVIRONMENTAL MANAGEMENT COMMITMENTS

GENERAL

1. BP Refinery Kwinana will adhere to the Project as assessed by the Environmental Protection Authority and will fulfil the commitments made below.
2. The modifications 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
 - Health Department of WA
 - Department of Occupational Health, Safety and Welfare
 - Town of Kwinana
3. The Hazard Management Process applied to the project will be consistent with guidelines established by the Safety Coordinator, Explosives and Dangerous Goods Division, Department of Mines.

CONSTRUCTION

4. All construction materials and practices will be in accordance with the relevant Australian standards and/or BP Codes of Engineering Practice, whichever is the most stringent.
5. Noise levels will comply with the requirements of the Department of Occupational Health, Safety and Welfare, as they relate to the construction workforce and the public, and with the requirements of the Environmental Protection Authority.
6. Dust suppression watering practices will be adopted to minimise dust generated during construction activities. Dust levels will comply with the requirements of the Department of Occupational Health, Safety and Welfare and the Environmental Protection Authority.
7. Close liaison will be maintained with local authorities to ensure that noise, dust and traffic impacts are minimised.
8. BP Refinery Kwinana will update emergency procedures and response plans prior to commissioning. These procedures and response plans will be consistent with Department of Mines guidelines and be available for review by the Environmental Protection Authority and Department of Mines.
9. An Audit of the Hazards Management Process carried out in accordance with guidelines agreed with the Safety Coordinator, Department of Mines; will be completed prior to commissioning and made available to the Department of Mines.
10. Upon completion HAZOP studies and Piping and Instrument Diagrams will be made available to the Environmental Protection Authority and the Department of Mines.

OPERATIONAL

11. BP Refinery Kwinana will design and operate the plant so as to control noise generation and noise levels at the boundary of the Refinery at all times to the satisfaction of the Environmental Protection Authority.
12. Ongoing control of dust will be implemented to ensure that dust levels do not affect the workforce or the public, and satisfy the Department of Occupational health, Safety and Welfare and the Environmental Protection Authority.
13. The Refinery will undergo regular preventative maintenance to minimise unplanned shutdowns due to plant failure.
14. All solid waste will be disposed of in accordance with the statutory requirements of the Health Department of WA and be to the satisfaction of the Environmental Protection Authority.
15. All employees will be trained in the safe work practices and emergency procedures appropriate to their role in the operation of the Refinery and the handling of associated materials.
16. If a Sulphur Recovery Unit suffers an unplanned shutdown, hydrogen sulphide rich gas will be directed to the other Sulphur Recovery Unit with any excess gas initially sent to the Refinery fuel gas main. Refinery process unit throughputs will then be adjusted, as quickly as is practicable, in order to meet Environmental Protection Authority licence conditions.
17. BP Refinery Kwinana will ensure that, should emissions of sulphur dioxide from the Refinery occur, or be likely to occur, which exceed the requirements of the Draft Environmental Protection Policy for Sulphur Dioxide and Dust in the Kwinana region, then all appropriate operational and management steps will be taken to ensure that sulphur dioxide emissions are reduced to levels acceptable to the Environmental Protection Authority.
18. Routine shutdowns of the Sulphur Recovery units will be planned to coincide with those of the Hydrofiners and Residue Cracker units, the major sources of hydrogen sulphide, in order to minimise sulphur dioxide emissions and meet Environmental Protection Authority licence conditions.
19. In the advent of an unplanned shutdown of the new Refinery Sour Water Stripper, sour water will be directed to the existing Sour Water Stripper and process unit throughputs adjusted, as quickly as is practicable, to meet the reduced capacity of the old unit and Environmental Protection Authority licence conditions.

OTHER COMMITMENTS

20. BP Refinery Kwinana will modify its pollution control operations so that environmental impacts are reduced to a level acceptable to the Environmental Protection Authority.
21. BP Refinery Kwinana will cooperate with the Environmental Protection Authority to assist in achieving the air quality standards and limits as proposed in the Draft Environmental Protection Policy for Sulphur Dioxide and Dust in the Kwinana region.
22. BP Refinery Kwinana will submit reports as required to the Environmental Protection Authority documenting the results of monitoring programmes, and will immediately advise the Environmental Protection Authority of any unplanned events, as they occur, that may adversely impact upon the surrounding environment.

23. BP Refinery Kwinana will engage Technica Ltd to update the Refinery database for the Kwinana Cumulative Risk Analysis within 12 months of approval of this Project and provide the results to the government agency responsible for the cumulative risk study.
24. BP Refinery Kwinana will continue to participate in and contribute to the development of the Kwinana Integrated Emergency Management System.
25. Regular internal safety and environmental audits will be conducted to assess the effectiveness of BP Refinery Kwinana's commitments to safeguard and protect the workforce, public and the environment.
26. BP Refinery (Kwinana) Pty Ltd will, within two years of the issue of Works Approval for this Project, submit to the Environmental Protection Authority a modernisation plan to substantially upgrade the Refinery wastewater treatment system.
27. The following management systems will be developed prior to commissioning the units constructed or modified as part of this Project:
 - manual of hazardous material data sheets
 - written operating procedures
 - routine maintenance, startup and shutdown, and emergency procedures
 - incident reporting/investigation systems
 - equipment testing/inspection schedules
 - alarm and trip testing procedures and schedules
 - periodic auditing programme.
28. BP Refinery (Kwinana) Pty Ltd will provide an accurate estimate of greenhouse gas emissions to the Environmental Protection Authority each year.
29. Reports will be provided to the Environmental Protection Authority quarterly on progress of the development of the Project and annually on the operation of the new plant after commissioning. Reporting will include advice to the Environmental Protection Authority on the fulfilment of any Ministerial Conditions; and commitments given by BP Refinery (Kwinana) Pty Ltd.
30. BP Refinery (Kwinana) Pty Ltd will be responsible for decommissioning the Refinery and rehabilitating the site and its environment, to the satisfaction of the Environmental Protection Authority.
31. BP Refinery (Kwinana) Pty Ltd will, at least six months prior to decommissioning, prepare a decommissioning and rehabilitation plan to the satisfaction of the Environmental Protection Authority.