



MINISTER FOR THE ENVIRONMENT;
EMPLOYMENT AND TRAINING

Ass # 1032

Bull # 838

State # 442

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

MINING OF TITANIUM MINERALS, 2 KM SOUTH OF YARLOOP (1032)

CABLE SANDS (W.A.) PTY. LTD.

That part of the proposal relating to mining of titanium minerals within "C" Class Reserve No. 31900 may not be implemented.

That part of the proposal located on private land and within Mining Leases Nos 70/49, 70/937 and 70/938 (pending) may be implemented subject to the following conditions:

1 Proponent Commitments

The proponent has made a number of environmental management commitments in order to protect the environment.

- 1-1 In implementing the proposal, the proponent shall fulfil the commitments made in the Consultative Environmental Review and subsequently during the environmental assessment process by the Environmental Protection Authority; provided that the commitments and environmental management measures are not inconsistent with the conditions or procedures contained in this statement. In the event of any inconsistency, the conditions and procedures shall prevail to the extent of the inconsistency.

The consolidated and revised environmental management commitments of 2 January 1997 are attached.

2 Implementation

Changes to the proposal which are not substantial may be carried out with the approval of the Minister for the Environment.

- 2-1 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.

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- 2-2 Where, in the course of the detailed implementation referred to in condition 2-1, the proponent seeks to change the designs, specifications, plans or other technical material submitted to the Environmental Protection Authority 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 Proponent

These conditions legally apply to the nominated proponent.

- 3-1 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.

4 Mine Dewatering

- 4-1 Prior to dewatering the mine, the proponent shall develop a dewatering management plan to the requirements of the Environmental Protection Authority on advice of the Water and Rivers Commission and the Department of Environmental Protection. This plan shall include specific reference to maintaining an adequate water supply to the remnant vegetation of the area.
- 4-2 The proponent shall implement the dewatering management plan required by condition 4-1.

5 Environmental Management

- 5-1 The proponent shall exercise all care and diligence in managing the proposal to ensure the protection of the environment.
- 5-2 The proponent shall prepare and implement an environmental management plan and environmental management procedures in order to implement the proposal, and shall manage the relevant environmental factors to ensure that the environmental objectives (Section 3, Environmental Protection Authority Bulletin 838) are met.
- 5-3 In preparation of the plan referred to in condition 5-2, the proponent shall adopt quality assurance principles (such as those adopted in Australian Standards ISO 9000 series) and environmental management principles (such as those adopted in the voluntary Australian Standards ISO 14000 (Int):1995 series), with appropriate monitoring, auditing and reporting to ensure compliance with these conditions and the on-going protection of the environment.
- 5-4 If, through the implementation of the environmental management procedures referred to in condition 5-2, the proponent identifies a relevant environmental factor not reported on in Environmental Protection Authority Bulletin 838, the proponent shall immediately report to the Minister for the Environment on that factor, providing a proposed objective and the suggested means for managing the factor to achieve the objective.

6 Time Limit on Approval

The environmental approval for the proposal is limited.

- 6-1 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.

Where the proponent demonstrates to the requirements of the Minister for the Environment on advice of the Department of Environmental Protection that the environmental parameters of the proposal have not changed significantly, then the Minister may grant an extension not exceeding five years.

7 Compliance Auditing

To help determine environmental performance and compliance with the conditions, periodic reports on the implementation of the proposal are required.

- 7-1 The proponent shall submit periodic Performance and Compliance Reports, in accordance with an audit programme prepared by the Department of Environmental Protection in consultation with the proponent.

Procedure

- 1 Unless otherwise specified, the Department of Environmental Protection is responsible for assessing compliance with the conditions contained in this statement and for issuing formal clearance of conditions.
- 2 Where compliance with any condition is in dispute, the matter will be determined by the Minister for the Environment.

Note

- 1 The proponent is required to apply for a Works Approval and Licence for this project under the provisions of Part V of the Environmental Protection Act 1986.
- 2 The Environmental Protection Authority reported on the proposal in Environmental Protection Authority Bulletin 838 (December 1996).
- 3 To achieve the principles of maintaining abundance, diversity, geographic distribution, productivity, protection and secure management of Reserves Nos 31900, 31901 and A22307, the Department of Conservation and Land Management will be responsible for ensuring that the status of Reserve No. 31900 is upgraded to "A" class, and that the three reserves Nos 31900, 31901 and A22307 are all vested in the National Parks and Nature Conservation Authority for conservation purposes.


CHERYL EDWARDES (Mrs) MLA
MINISTER FOR THE ENVIRONMENT

17 APR 1997

Proponent's Environmental Management Commitments

2 January 1997

**MINING OF TITANIUM MINERALS
2 KM SOUTH OF YARLOOP (1032)**

CABLE SANDS (WA) PTY LTD

SUMMARY OF ENVIRONMENTAL ISSUES AND COMMITMENTS (1032)

Category	Topic	Section of CER	Objective	Management Commitments	Timing	Key Agency
Environmental Management		4.1	* To achieve responsible environmental management	1. Conduct regular environmental audits 2. Annual reporting of environmental performance to appropriate authorities 3. To progress development of an accredited Environmental Management System 4. To prepare Environmental Management and Monitoring Programme (EMMP) relating to all environmental aspects	Throughout mine life	DEP DoME
Biophysical Environment	Flora	2.6, 4.3	* To minimize disturbance of Ridge Hill Shelf complex in reserve #31900 * To prevent disturbance of remaining vegetation in Reserve #31900 * To prevent introduction and spread of dieback	5. Minimize area of reserve #31900 impacted to the orebody as far as practical 6. Locate infrastructure and plant on cleared land 7. To use appropriate vehicle cleandown to prevent dieback introduction into Reserve 31900 8. To restrict access from mining areas to other areas of Reserve 31900	Throughout mine life	DoME Shire of Harvey CALM EPA
	Fauna	2.7	* To ensure that impact on fauna in the project area is minimized	9. Restrict area of reserve #31900 impacted to the orebody as far as practical	Throughout mine life	DoME

	Rehabilitation	4.4	<ul style="list-style-type: none"> * To rehabilitate affected areas to a standard compatible with current landuse 	<p>10. To develop a rehabilitation plan for the mined area of reserve #31900 which reestablishes a woodland of similar character to that existing</p> <p>11. To improve condition of currently degraded area of reserve #31900 following a developed rehabilitation plan</p> <p>12. To re-establish productive pasture with shelter and shade belts on current agricultural land.</p>	<p>Prior to mining</p> <p>During mining</p> <p>During and after mining</p>	Shire of Harvey DoME CALM
	Hydrology	4.2	<ul style="list-style-type: none"> * To have insignificant impact from water abstraction * To ensure that stream flows during winter are not adversely affected 	<p>13. To monitor water usage from the Yarloop borefield</p> <p>14. To prevent restriction of stream flow in the mine plan</p>	<p>Throughout mine life</p> <p>Prior to mining</p>	WRC DEP
Pollution Potential	Noise	5.1	<ul style="list-style-type: none"> * To minimize noise impacts on neighbouring properties * To comply with statutory noise requirements 	<p>15. Restrict earthmoving operations at night to within the pit as far as possible</p> <p>16. Include noise aspects in EMMP</p> <p>17. Fit acoustic mufflers to earth-moving equipment</p> <p>18. Construct noise reducing bunding where appropriate</p> <p>19. Vegetation screens will be established or enhanced and maintained</p>	Throughout mine life	DEP

	Dust	5.2	<p>* To minimize dust impacts associated with haulage</p> <p>* To minimize dust impacts associated with earthmoving, stockpiling and rehabilitation</p>	<p>20. Haulage roads will be wetted down using a water cart when required</p> <p>21. Stockpiles will be vegetated as far as practical to reduce dust</p> <p>22. Mine planning will keep disturbed areas to a minimum and will retain maximum vegetation</p> <p>23. Rehabilitation will follow as close to the passing of the mine front as possible</p> <p>24. Vegetation screens will be established or enhanced and maintained</p> <p>25. Include dust aspects in EMMP</p>	<p>Throughout mine life</p> <p>Prior to mining</p> <p>During mining</p> <p>Throughout mine life</p>	DEP
	Water	4.2	<p>* To have no discernible impact on water quality</p>	<p>26. To regularly monitor water quality and respond appropriately to any measured anomolous results</p> <p>27. To gain appropriate approval for septic system</p> <p>28. To prevent overflow of slimes from slimes dams</p> <p>29. Construction of detention areas around workshop areas to settle suspended solids</p> <p>30. Construct oil and grease traps where appropriate</p> <p>31. Store chemicals in accordance with relevant guidelines</p>	Throughout mine life	DEP DoME

	Visual		* To reduce visual impact of the minesite	32. Vegetation screens and bunding will be established or enhanced and maintained	Throughout mine life	DEP
	Radiation	4.5	* To keep surface radiation levels below pre-mining	33. Use of approved procedures for handling process materials 34. Monitoring of rehabilitated areas to ensure favourable comparison with pre-mining levels	Throughout mine life During and after mining	DoME
Social Impacts	Traffic	3.3	* To ensure trucking of heavy mineral concentrate has minimal impact on neighbours	35. As far as is practicable restrict trucking to daylight hours on weekdays 36. Provide appropriate access to the South West highway causing minimum interruption to traffic flow	During mining During development	DEP Main Roads
	Aboriginal Heritage	5.3	* To avoid interfering with any sites of aboriginal significance	37. If any aboriginal sites are unearthed production will cease until appropriate consultation with Dept. of Minerals and Energy and the Dept. of Aboriginal Affairs	Throughout mine life	Dept. Aboriginal Affairs
	Community Consultation	5.7	* To keep the community aware of all relevant aspects of the mining operation	38. Develop a plan for consultation during development and operation of the mine	Prior to mining	DEP