



Statement No.

MINISTER FOR THE ENVIRONMENT

000670

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

CLIFF HEAD OIL FIELD DEVELOPMENT
20 KM SOUTH OF DONGARA, SHIRE OF IRWIN

Proposal: The construction and operation of offshore and onshore oil and water pipelines and an onshore oil separation plant and the transport of oil to Geraldton and / or Kwinana by road or rail, as documented in schedule 1 of this statement.

Proponent: Roc Oil (WA) Pty Limited

Proponent Address: Level 14, 1 Market Place, SYDNEY NSW 2000

Assessment Number: 1506

Report of the Environmental Protection Authority: Bulletin 1150

The proposal referred to above may be implemented by the proponent subject to the following conditions and procedures:

1 Implementation

1-1 The proponent shall implement the proposal as documented in schedule 1 of this statement subject to the conditions of this statement.

2 Proponent Commitments

2-1 The proponent shall implement the environmental management commitments documented in schedule 2 of this statement, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

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3 Proponent Nomination and Contact Details

- 3-1 The proponent for the time being nominated by the Minister for the Environment under section 38(6) or (7) of the *Environmental Protection Act 1986* is responsible for the implementation of the proposal until such time as the Minister for the Environment has exercised the Minister's power under section 38(7) of the Act to revoke the nomination of that proponent and nominate another person as the proponent for the proposal.
- 3-2 If the proponent wishes to relinquish the nomination, the proponent shall apply for the transfer of proponent and provide a letter with a copy of this statement endorsed by the proposed replacement proponent that the proposal will be carried out in accordance with this statement. Contact details and appropriate documentation on the capability of the proposed replacement proponent to carry out the proposal shall also be provided.
- 3-3 The nominated proponent shall notify the Department of Environment of any change of contact name and address within 60 days of such change.

4 Commencement and Time Limit of Approval

- 4-1 The proponent shall substantially commence the proposal within five years of the date of this statement or the approval granted in this statement shall lapse and be void.

Note: The Minister for the Environment will determine any dispute as to whether the proposal has been substantially commenced.

- 4-2 The proponent shall make application for any extension of approval for the substantial commencement of the proposal beyond five years from the date of this statement to the Minister for the Environment, prior to the expiration of the five-year period referred to in condition 4-1.

The application shall demonstrate that:

- (1) the environmental factors of the proposal have not changed significantly;
- (2) new, significant, environmental issues have not arisen; and
- (3) all relevant government authorities have been consulted.

Note: The Minister for the Environment may consider the grant of an extension of the time limit of approval not exceeding five years for the substantial commencement of the proposal.

5 Compliance Audit and Performance Review

- 5-1 The proponent shall prepare an audit program and submit compliance reports to the Department of Environment which address:

- (1) the status of implementation of the proposal as defined in schedule 1 of this statement;
- (2) evidence of compliance with the conditions and commitments; and
- (3) the performance of the environmental management plans and programs.

Note: Under sections 48(1) and 47(2) of the *Environmental Protection Act 1986*, the Chief Executive Officer of the Department of Environment is empowered to monitor the compliance of the proponent with the statement and should directly receive the compliance documentation, including environmental management plans, related to the conditions, procedures and commitments contained in this statement.

5-2 The proponent shall submit a performance review report every five years after the start of operations, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority, which addresses:

1. the major environmental issues associated with the project; the targets for those issues; the methodologies used to achieve these; and the key indicators of environmental performance measured against those targets;
2. the level of progress in the achievement of sound environmental performance, including industry benchmarking, and the use of best available technology where practicable;
3. significant improvements gained in environmental management, including the use of external peer reviews;
4. stakeholder and community consultation about environmental performance and the outcomes of that consultation, including a report of any on-going concerns being expressed; and
5. the proposed environmental targets over the next five years, including improvements in technology and management processes.

5-3 The proponent may submit a report prepared by an auditor approved by the Department of Environment under the "Compliance Auditor Accreditation Scheme" to the Chief Executive Office of the Department of Environment on each condition/commitment of this statement which requires the preparation of a management plan, programme, strategy or system, stating whether the requirements of each condition/commitment have been fulfilled within the timeframe stated within each condition/commitment.

6 Seagrass and Seabed Monitoring and Contingency Plan

6-1 The proponent shall not take any action which directly results in the significant damage or destruction of more than 11 hectares of seagrass within State Waters during the construction, installation or use of the offshore oil and water pipelines.

6-2 Prior to commencement of construction of the portion of the offshore oil and water pipelines within State Waters, the proponent shall prepare a Seagrass and Seabed Monitoring and Contingency Plan to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

The objectives of this Plan are:

- to undertake regular monitoring of seagrass meadows and the seabed for seagrass loss or damage during and following installation of the offshore pipelines; and
- to ensure that the installation of the pipelines does not lead (either directly or indirectly) to a long-term reduction in the area of seagrass in the vicinity of the pipelines.

This Plan shall include:

1. procedures for obtaining and providing to the Department of Environment, no later than six months following the completion of pipeline installation, an accurate total area and geographically referenced location map of seagrass lost or damaged during pipeline construction;
2. details of the methodology of a programme of at least three years of annual monitoring of seagrass health and mortality in and adjacent to areas of seagrass damaged during pipeline installation, which is to be used as the basis for annually updating the areas and mapped locations referred to in item 1 above;
3. provision for a 'further monitoring' trigger level above which the proponent is required to continue annual seagrass monitoring, subject to item 6 below, beyond the three-year period referred to in item 2 above. This trigger level should not be greater than 0.4 hectares of annual post-construction seagrass loss or damage, attributable to the direct or indirect effects of pipeline installation;
4. provision for a 'contingency action' trigger level of no greater than 11 hectares of cumulative seagrass loss or one hectare of annual post-construction seagrass loss or damage, attributable to the effects of pipeline installation; above which the proponent is required to:
 - a) continue annual seagrass monitoring; and
 - b) within six months following the reporting of the exceedance of the trigger level, commence seagrass protection contingency actions. The objective of these actions is to ensure that the rate of post-construction seagrass loss or damage in and adjacent to the areas of seagrass lost or damaged by the pipeline/s, is reduced to less than one hectare per annum;
5. procedures for annual reporting on the monitoring programme referred to in item 2 above and the success of actions undertaken in response to exceedance of the trigger level referred to in item 3 above; and
6. provision for the reduction in frequency or cessation of monitoring after three years following construction, or in the event of the trigger level referred to in item 3 above being exceeded, after the proponent has demonstrated the success of contingency actions in reducing the rate of annual seagrass loss or damage to less

than the 'further monitoring' trigger level referred to in item 3 above, for three successive years.

- 6-3 The proponent shall ensure that the contingency actions referred to in condition 6-2 confine the cumulative total area of seagrass loss resulting from the proposal to less than 16 hectares.

7 Introduced Marine Pests

- 7-1 Prior to the arrival of any vessels and equipment which are to be used for the proposal in the portion of the development area located within State Waters, the proponent shall cause inspections to be carried out by an appropriately qualified marine scientist to ensure that any sediment or fouling organisms on or within the vessels and equipment associated with the proposal do not present a risk to the marine ecosystem integrity of the development area, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.
- 7-2 Prior to the commencement of pipeline construction and installation, the proponent shall report to the Department of Environment on the results of the inspection referred to in condition 7-1, for vessels and equipment to be used for construction and installation, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.
- 7-3 The proponent shall manage any sediment or fouling organisms found as a consequence of inspections required by condition 7-1, to the timing and other requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

Note: In the preparation of the report required by condition 7-2, and in the development of any actions required by condition 7-3, the Environmental Protection Authority expects that advice of the following agencies will be obtained:

- Department of Fisheries; and
- Australian Quarantine Inspection Service.

8 Onshore Pipeline Rehabilitation Plan

- 8-1 Prior to ground-disturbing activities, the proponent shall develop an Onshore Pipeline Rehabilitation Plan, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority and the Department of Conservation and Land Management.

The long-term objectives of this Plan are:

- to ensure that disturbed areas of vegetation do not become permanent areas for vehicle access; and
- to ensure that vegetation disturbed during pipeline installation, operation and decommissioning is returned to a condition similar to adjacent areas undisturbed by the proposal.

This Plan shall relate to all areas of native vegetation disturbed during pipeline construction and operation, such as pipeline easements, staging areas, turning areas and encampments, and shall incorporate:

(1) an Access Control Plan which includes:

- methods of controlling or closing access to pipeline easements during project operation;
- performance criteria (including completion criteria) for the effectiveness of access control / closure; and
- contingency actions to be carried out in the event that the defined performance criteria are not being met.

(2) a Vegetation Management Plan which includes:

- delineation of areas of vegetation proposed to be disturbed;
- a baseline vegetation study identifying the appropriate techniques for regeneration or revegetation of the vegetation types affected by the survey;
- development of specific rehabilitation performance criteria, including completion criteria for the restoration of affected areas to a condition equivalent to or better than the condition of adjacent areas of vegetation undisturbed by the proposal;
- proposed methods for rehabilitation of disturbed areas;
- details of weed management to be undertaken as part of rehabilitation;
- a monitoring program to determine rehabilitation success; and
- contingency actions to be carried out in the event that the defined performance criteria are not being met.

(3) a Soil Conservation Management Plan which includes:

- delineation of areas disturbed with steep slopes and/or erosive soils;
- operational methods of minimisation and remediation of soil erosion in the identified disturbed areas during and following pipeline installation;
- performance criteria (including completion criteria) for the effectiveness of the proposed methods of minimisation and remediation; and
- contingency actions to be carried out in the event that the defined performance criteria are not being met.

8-2 The proponent shall implement the Onshore Pipeline Rehabilitation Plan required by condition 8-1 until such time as the Minister for the Environment determines, on advice of the Environmental Protection Authority, that the proponent's rehabilitation responsibilities have been fulfilled.

8-3 The proponent shall make the Onshore Pipeline Rehabilitation Plan required by condition 8-1 publicly available, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

Note: In the preparation of advice to the Minister for the Environment on the implementation of conditions 8-1 and 8-2, the Environmental Protection Authority expects that advice of the following agency will be obtained:

- Department of Conservation and Land Management.

9 Rehabilitation Performance Bond

- 9-1 As security for the due and punctual observance and performance by the proponent of the requirements of condition 8-2 to be observed, conformed and complied with, the proponent shall lodge with the Chief Executive Officer of the Department of Environment on demand prior to ground-disturbing activity, an irrevocable Performance Bond as nominated and approved by the Chief Executive Officer in his sole unfettered discretion to a cash value and in a form acceptable to the Chief Executive Officer ("the Security") which Security at the date hereof being \$50 000.
- 9-2 The Chief Executive Officer may review the Security required by condition 9-1 at any time or times and if, on such review, the Chief Executive Officer considers that a security has ceased to be acceptable to the Chief Executive Officer, then the Chief Executive Officer may, with the approval of the Minister for the Environment, require the proponent to furnish replacement or additional security for performance by the proponent of its obligations under condition 8-2.
- 9-3 The proponent shall within 14 days after written request by the Chief Executive Officer furnish replacement or additional security in such sum as the Chief Executive Officer shall nominate, in a form and upon terms and conditions approved by the Chief Executive Officer, which approval shall not be unreasonably withheld. On receipt of approved replacement security the Chief Executive Officer shall release and discharge the original security.

Note: In the preparation of advice to the Chief Executive Officer in relation to conditions 9-1, 9-2 and 9-3, the Environmental Protection Authority expects that the advice of the following agencies will be obtained:

- Department of Conservation and Land Management;
- Department of Industry and Resources; and
- Department of Environment.

10 Fire Management Plan

- 10-1 Prior to the commencement of ground-disturbing activity, the proponent shall prepare a Fire Management Plan for the onshore component of the proposal to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

This Plan shall include:

- 1 bush fire prevention, detection and reporting measures and procedures during the construction of the onshore processing plant and oil and water pipelines;

- 2 fire brigade and the proponent's fire suppression equipment and preparedness measures; and
- 3 training of appropriate personnel for suppressing bush fires originating from construction of the project.

10-2 The proponent shall implement the Fire Management Plan, required by condition 10-1, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

10-3 The proponent shall make the Fire Management Plan, required by condition 10-1 publicly available to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

Note: In the preparation of advice to the Minister for the Environment, the Environmental Protection Authority expects that the advice of the following agencies will be obtained:

- Department of Conservation and Land Management; and
- Fire and Emergency Services Authority.

11 Decommissioning Plans

11-1 Prior to commencement of construction, the proponent shall prepare a Preliminary Decommissioning Plan, which provides the framework to ensure that the sites of the onshore processing plant and onshore and offshore oil and water pipelines are left in an environmentally acceptable condition to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

The Preliminary Decommissioning Plan shall address:

- 1 the rationale for the siting and design of the plant and infrastructure as relevant to environmental protection, and conceptual plans for the removal or, if appropriate, retention of plant and infrastructure (including, where practicable, onshore and offshore pipelines) according to the requirements of the Department of Conservation and Land Management and the Department of Environment.
- 2 a conceptual rehabilitation plan for all disturbed areas and a description of a process to agree on the end land use(s) with relevant decision-makers;
- 3 a conceptual plan for a care and maintenance phase; and
- 4 management of potentially polluting materials to avoid the creation of contaminated areas.

11-2 Within 12 months following any four-year period of non-use of the processing plant or pipelines, or at such time agreed by prior arrangement with the Environmental Protection Authority, the proponent shall prepare a Final Decommissioning Plan designed to ensure that the site is left in an environmentally acceptable condition to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

The Final Decommissioning Plan shall address:

- (1) removal or, if appropriate, retention of plant and infrastructure (including where practicable, onshore and offshore pipelines) as considered appropriate according to the requirements of the Department of Conservation and Land Management and the Department of Environment.
- (2) long-term management of ground-water systems affected by the processing plant and related groundwater abstraction;
- (3) in relation to facilities within Beekeepers' Nature Reserve, rehabilitation of all disturbed areas to a standard acceptable to the Department of Conservation and Land Management;
- (4) in relation to facilities located on freehold private land, rehabilitation of all disturbed areas to a standard suitable for the prevailing land use zoning at that time, or for an alternative land use agreed with the Shire of Irwin; and
- (5) identification of contaminated areas, including provision of evidence of notification and proposed management measures to relevant statutory authorities.

11-3 The proponent shall implement the Final Decommissioning Plan required by condition 11-2 until such time as the Minister for the Environment determines, on advice of the Environmental Protection Authority, that the proponent's decommissioning responsibilities have been fulfilled.

11-4 The proponent shall make the Final Decommissioning Plan required by condition 11-2 publicly available, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

Procedures

- 1 Where a condition states "to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority", the Environmental Protection Authority will provide that advice to the Department of Environment for the preparation of written notice to the proponent.
- 2 The Environmental Protection Authority may seek advice from other agencies or organisations, as required, in order to provide its advice to the Department of Environment.
- 3 Where a condition lists advisory bodies, it is expected that the proponent will obtain the advice of those listed as part of its compliance reporting to the Department of Environment.

Notes

- 1 The Minister for the Environment will determine any dispute between the proponent and the Environmental Protection Authority or the Department of Environment over the fulfilment of the requirements of the conditions.

- 2 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*.
- 3 Within this statement, to “have in place” means to “prepare, implement and maintain for the duration of the proposal”.
- 4 Compliance and performance reporting will endeavour to be in accord with the timing requirements of reporting under the *Petroleum Act 1967* and the *Petroleum (Submerged Lands) Act 1995*.

Dr Judy Edwards MLA
MINISTER FOR THE ENVIRONMENT

21 DEC 2004

Schedule 1

The Proposal (Assessment No. 1506)

The proposal is the portion of the Cliff Head Oil Field Development (as described in the Public Environmental Review document of April 2004) located on State Lands and within State Waters, as shown in Figure 1.

The main activities to be conducted include construction and operation of:

- The Arrowsmith onshore oil processing (separation) plant and associated road and rail transport of oil product from the plant to Geraldton and/or Kwinana;
- the onshore oil and water pipelines from the low tide level of the Indian Ocean to the Arrowsmith Processing Plant; and
- the portion of the offshore oil and water pipelines between the limit of State Waters and the low tide level of the Indian Ocean.

The key characteristics of the proposal are shown in Table 1.

Table 1: Key Proposal Characteristics (Assessment no. 1506)

Element	Quantities/Description
<p><u>Oil and Water Pipelines</u></p> <p>Diameter</p> <p>Length</p> <p>Description</p> <p>Disturbance footprint</p>	<p>Up to 500 millimetres</p> <ul style="list-style-type: none"> • The offshore sections of the pipelines within State Waters are approximately 4 kilometres long as shown in figure 2. • The onshore sections, are approximately 4 kilometres long as shown in figure 2. <p>The pipelines will be thermally insulated and the offshore sections will be weight-clad and stabilised with rock bolts to the sea floor.</p> <p>Maximum pipeline disturbance corridor width of 50 metres.</p> <p>Maximum area of vegetation disturbance for onshore pipelines of 7 hectares.</p> <p>Maximum area of seagrass disturbance within State waters of 10.6 hectares.</p>
<p><u>Arrowsmith Processing Plant</u></p> <p>Area of vegetation disturbed (excluding pipelines)</p>	<p>Plant to be located on private freehold land within Lot 11 Brand Highway as shown in figure 2.</p> <p>30 hectares maximum clearing for plant,</p> <p>100 hectares vegetation management area (for reduced fire risk).</p>
<p>Groundwater abstraction</p>	<p>Two onshore wells within Lot 11 to yield a total of up to approximately 6500 M³ of water per day (2 Gigalitres per annum) from the Cattamarra Formation.</p>
<p>Maximum pipeline flow rates</p>	<p>8000 cubic metres per day (oil production and water injection) approximately.</p>
<p>Maximum Processing (Separation) Plant output</p>	<p>4000 cubic metres per day approximately.</p>
<p>Maximum Storage Capacity</p>	<p>6360 cubic metres approximately.</p>
<p>Operating Times</p>	<p>The processing facility will operate 24 hours per day, seven days a week for up to 15 years.</p>

Figures (attached)

Figure 1 – Proposal location;
 Figure 2 – Proposal elements.

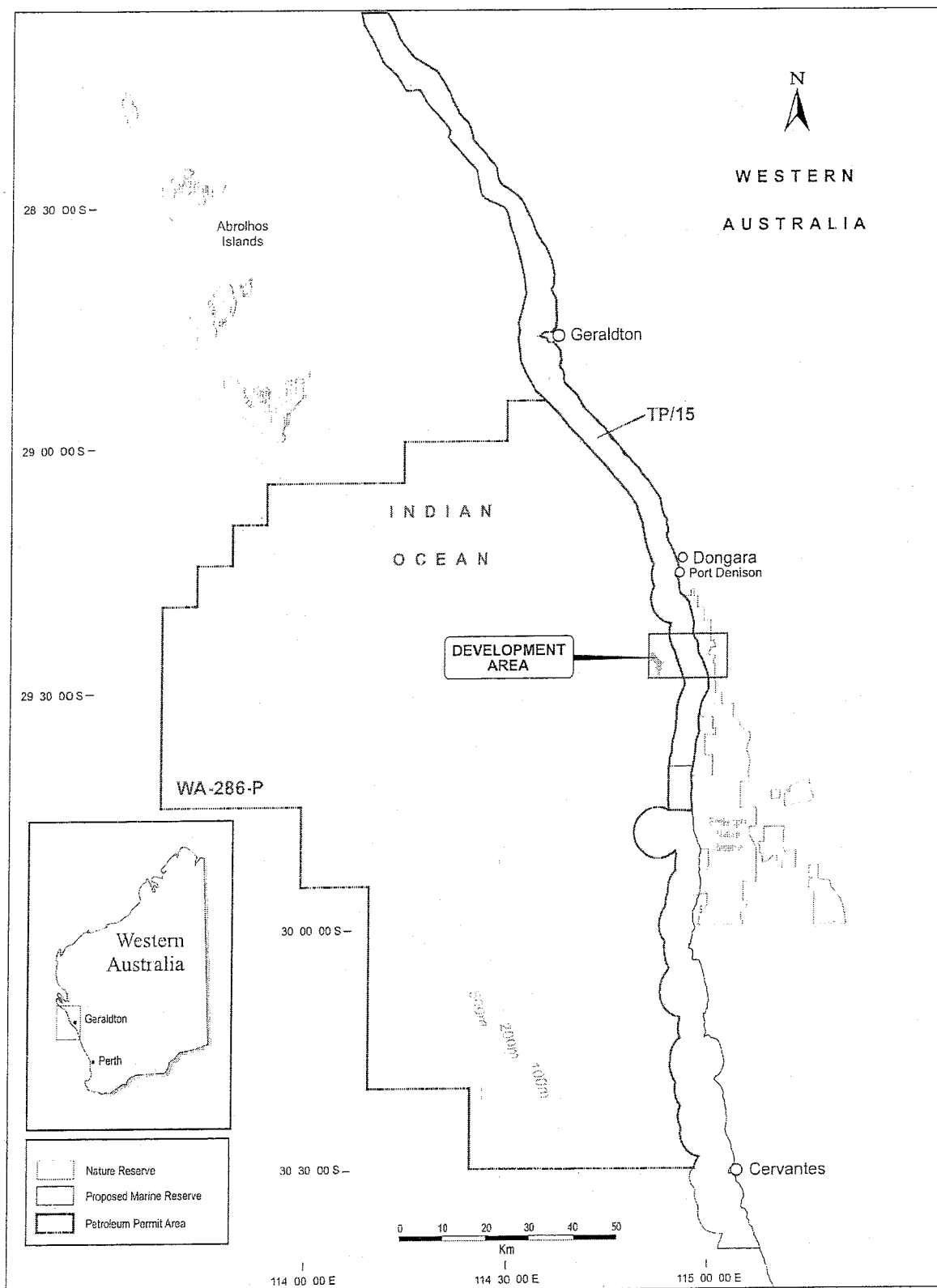
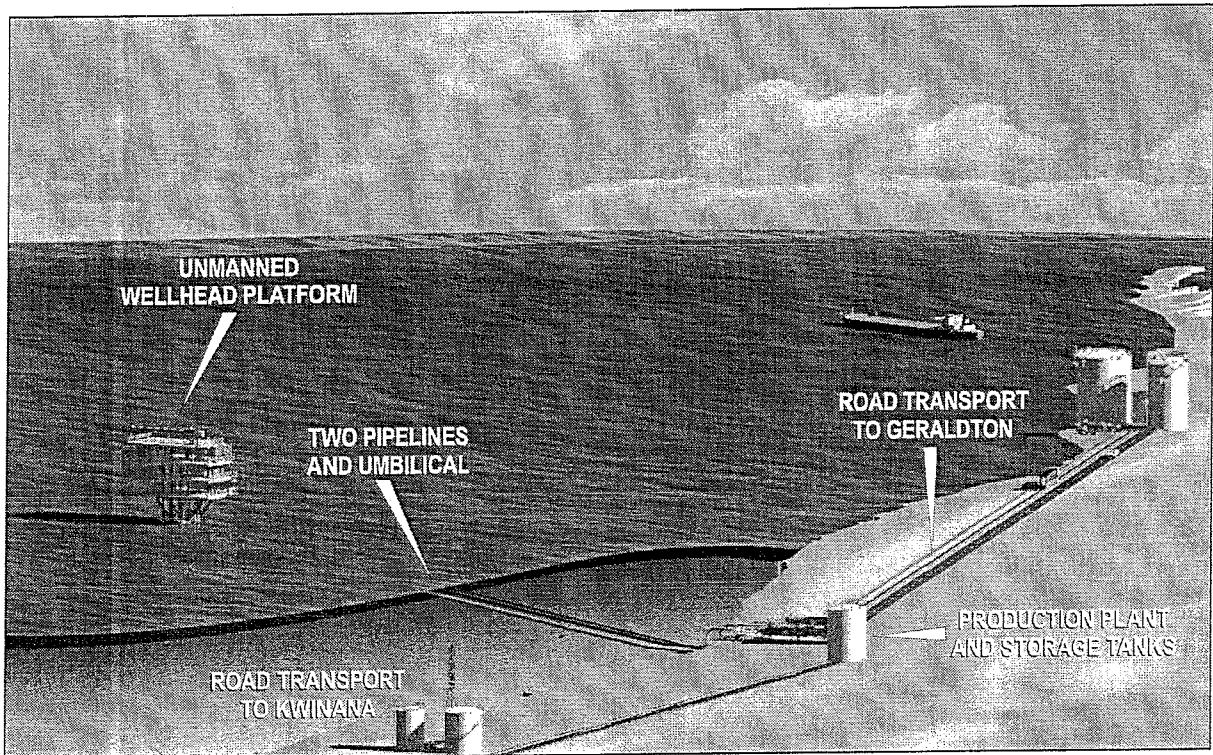
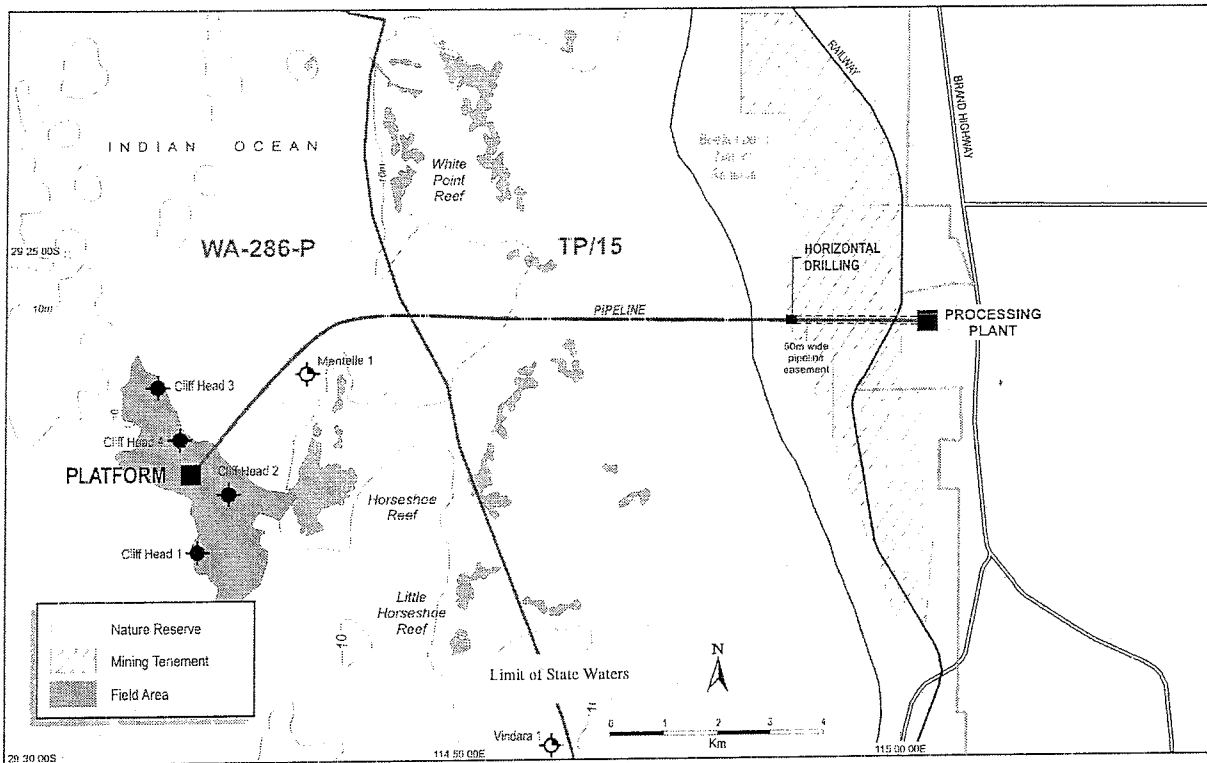


Figure 1: Location of the Cliff Head proposal



Note The proposal covered by this statement is limited to the components of the Cliff Head project located on State Lands and within State Waters

Figure 2: Elements of the proposal

Proponent's Environmental Management Commitments

November 2004

**CLIFF HEAD OIL FIELD DEVELOPMENT
20 KM SOUTH OF DONGARA
SHIRE OF IRWIN**

(Assessment No. 1506)

Roc Oil (WA) Pty Limited

Proponent's Environmental Management Commitments – November 2004

CLIFF HEAD OIL FIELD DEVELOPMENT (Assessment No. 1506)

Note: The term "commitment" as used in this schedule includes the entire row of the table and its six separate parts as follows:

- a commitment number;
- a commitment topic;
- the objective of the commitment;
- the 'action' to be undertaken by the proponent;
- the timing requirements of the commitment; and
- the body/agency to provide technical advice to the Department of Environment.

No.	Topic	Objectives	Action	Timing	Advice
1	Environmental management Plans (Preparation)	Ensure appropriate procedures are in place to manage environmental issues effectively and maintain continuous improvement in environmental performance	Prepare environmental management plans for the construction and operation phases of the proposal.	Prior to commencement of construction	DoIR CALM Dept of Fisheries Irwin Shire Dongara Professional Fishermen's Association.
2	Environmental management Plans (Implementation)	As for 1 above.	Implement the approved EMPs	During construction and operation	DoIR CALM Dept of Fisheries Irwin Shire
3	Contractor management	Ensure contractors are experienced in environmental management and suitable for the work	Ensure that all primary contractors undergo an operational audit or audit review which includes examination of environmental management procedures.	Prior to appointment of contractors.	

No.	Topic	Objectives	Action	Timing	Advice
4	Personnel training and coordination	Ensure personnel are familiar with the environmental systems and issues	Ensure that all personnel going onto the site undergo an environmental induction.	Prior to commencement of each individual's work.	
5	Marine flora and fauna.	Manage impact to marine habitat and marine flora and fauna	Consult with CALM and the Department of Fisheries during the final alignment of the offshore pipelines to assist in selecting the pipeline route that minimises disturbance to sensitive marine habitats.	Prior to commencement of offshore pipeline construction	CALM Dept of Fisheries
6	Marine flora and fauna.	Manage impact to marine flora and fauna.	Ensure that the Horizontal Directional Drilling (HDD) exit point extends the maximum possible distance (and at least 500 metres) from the shoreline in order to limit impacts on sea grass in waters shallower than 6 metres.	During detailed planning of HDD installation.	CALM Dept of Fisheries
7	Marine flora and fauna	Manage impact to sensitive marine habitats.	Incorporate a protocol to minimise damage by anchors during pipeline installation within the construction EMP.	Prior to commencement of offshore construction.	DoIR AMSA Dept of Fisheries CALM.
8	Accidental discharges	Ensure appropriate spill response procedures are in place	Prepare an Oil Spill Contingency Plan (OSCP) for the offshore component of the project within State waters.	Prior to commencement of offshore construction.	DoIR AMSA DEH Dept of Fisheries CALM.
9	Accidental discharges	Ensure appropriate spill response procedures are in place.	Ensure that plans for oil spill response arrangements covering onshore facilities and road transport operations are maintained for the duration of operations.	Prior to commissioning.	DoIR AMSA Dept of Fisheries Main Roads WA.

No.	Topic	Objectives	Action	Timing	Advice
10	Landform	Maintain integrity of frontal dune and beach system by ensuring no impact to dune or beach surface, landform or vegetation from Horizontal Directional Drilling (HDD) installation of pipelines.	Use Horizontal Directional Drilling (HDD) to install the pipelines under the frontal dune and beach.	During construction of the onshore and offshore pipelines.	CALM DoIR
11	Rehabilitation of onshore pipeline disturbance corridor	Restore vegetation along the pipeline to a condition similar to adjacent areas not disturbed by the proposal.	<p>Incorporate within the EMPs for the proposal, objectives and procedures for the rehabilitation of disturbance in the pipeline easement corridor across Beekeepers' Reserve including those to be employed for the operations of:</p> <ul style="list-style-type: none"> • vegetation clearing, • soil handling, and backfilling; • agronomic practices, surface stabilising procedures; • replanting and genotype management; • weed control; and • rehabilitation procedures. <p>Ensure that the EMPs specify the timing of planned works, rehabilitation completion criteria, monitoring and managing of rehabilitation and the communication of the plan.</p>	During the construction and operation phases of the proposal.	CALM
12	Public access	Prevent the pipeline easement becoming a public access across Beekeepers' Reserve.	Ensure that any tracks or vehicle paths remaining along the easement following pipeline easement rehabilitation are effectively closed or left in a condition acceptable to CALM.	Following construction and during rehabilitation.	CALM
13	Protection of fauna	Minimise impacts to fauna resulting from 'captures' in open pipeline trenches and vehicle collisions with fauna.	<ol style="list-style-type: none"> 1. Employ a qualified person to monitor pipeline trenches for entrapped fauna at least twice daily during construction. 2. Include fauna awareness training in induction procedures for personnel (see commitments 5 & 7). 	During onshore construction.	CALM

No.	Topic	Objectives	Action	Timing	Advice
14	Weeds and pathogens	Prevent introduction and spread of weeds and pathogens in Beekeepers' Reserve	Incorporate a weed and pathogen hygiene plan in the construction phase EMP.	Prior to commencement of onshore construction	CALM
15	Environmental Offset	Provide an environmental offset for the residual impacts of the pipeline easement through Beekeepers' Nature Reserve.	Deposit \$25 000 into a trust account specified by CALM.	Prior to commencement of onshore construction	CALM
16	Air quality	Reduce greenhouse gas emissions and minimise production of incomplete combustion products.	Regularly maintain transport vehicles and power generation equipment to ensure they run efficiently.	At all times.	
17	Transport	Minimise potential for transport accidents and oil spillages.	<p>Put in place internal and / or contractual procedures to minimise the potential for transport accidents and oil spillages.</p> <ul style="list-style-type: none"> • Truck access to Brand Highway at Arrowsmith to meet Main Roads Western Australia's Standards. • Trucks to be marked with the appropriate hazard coding. • Operational procedures to incorporate prevention of oil spills and response to possible spills from trucking operations. 	At all times.	Main Roads WA Shire of Irwin, and other relevant Shires.
18	Socio-economic	Minimise impact to lobster fishing industry.	Design the offshore pipelines and offshore platform so as to allow for lobster fishing activities to take place unaffected throughout the area traversed by the pipelines and to permit fishing up to the platform except when construction or maintenance operations are active.	During final design.	Dept of Fisheries Dongara Professional Fishermen's Association

No.	Topic	Objectives	Action	Timing	Advice
19	Socio-economic	Minimise impact on rock lobster industry.	Establish an agreement with the Dongara Professional Fishermen's Association allowing fishing up to the platform and over the pipelines except during periods of specific maintenance.	Prior to commissioning.	Dongara Professional Fishermen's Association Western Rock Lobster Council Dept of Fisheries DoIR

Legend

- AMSA = Australian Maritime Safety Authority
- CALM = Department of Conservation & Land Management
- DEH = Department of Environment & Heritage
- DoE = Department of Environment
- DoIR = Department of Industry & Resources