



MINISTER FOR THE ENVIRONMENT, SCIENCE

Statement No.

000703

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

**DAMPIER TO BUNBURY NATURAL GAS PIPELINE
SOUTHERN LOOPING PROJECT, LOOP 10, SOUTH OF KWINANA**

Proposal: To construct and operate a 23-kilometre pipeline from Kwinana Junction in Kwinana to Hopelands (between Punrak Road and Henderson Road) adjacent (and connected) to the existing underground gas transmission pipeline within the Dampier to Bunbury Natural Gas Pipeline corridor

Proponent: DBNGP (WA) Nominees Pty Limited

Proponent Address: Level 7 GHD House 239 Adelaide Terrace PERTH WA 6000

Assessment Number: 1607

Report of the Environmental Protection Authority: Bulletin 1206

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 and procedures of this statement.

Published on

28 DEC 2005

2 Proponent Nomination and Contact Details

- 2-1 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.
- 2-2 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.
- 2-3 The nominated proponent shall notify the Department of Environment of any change of contact name and address within 60 days of such change.

3 Commencement and Time Limit of Approval

- 3-1 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.

- 3-2 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 3-1.

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.

4 Compliance Audit and Performance Review

4-1 The proponent shall prepare an audit program and submit compliance reports to the Department of Environment which addresses:

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

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 and procedures contained in this statement.

4-2 The proponent shall submit a performance review report within two years following the formal authority issued to the decision-making authorities under section 45(7) of the *Environmental Protection Act 1986*, and subsequently at five year intervals thereafter, 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 implementing the project; the environmental objectives for those issues; the methodologies used to achieve these; and the key indicators of environmental performance measured against those objectives;
2. the level of progress in the achievement of sound environmental performance, including industry benchmarking, and the use of best practicable measures available;
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 objectives over the next five years, including improvements in technology and management processes.

4-3 The proponent may submit a report prepared by an independent auditor to the Chief Executive Officer of the Department of Environment on each condition of this statement which requires the preparation of a management plan, programme, strategy or system, stating whether the requirements of each condition has been fulfilled within the timeframe stated within each condition.

5 Timing of Works

- 5-1 The proponent shall only undertake open trench work between January and May 2006 (inclusive) unless otherwise authorised by the Minister for the Environment.

6 Vegetation Disturbance

- 6-1 Prior to ground-disturbing activities, the proponent shall clearly delineate on the ground the boundaries of the pipeline easement.
- 6-2 The proponent shall not cause or allow disturbance of vegetation outside the delineated pipeline easement, as referred to in condition 6-1, except for those activities stipulated in schedule 1, Table 1, "Activities outside the Dampier to Bunbury Natural Gas Pipeline easement."
- 6-3 The proponent shall not cause or allow disturbance outside the 20 metre wide easement between kilometre points 0.5 and 7.8 and kilometre points 17.1 and 18.6 unless authorised by the Minister for the Environment.

7 Fauna

- 7-1 The proponent shall limit the length of open trench between kilometre points 0.5 and 7.8 and kilometre points 17.1 and 18.6 to a maximum length of two and a half kilometres at any time.
- 7-2 The proponent shall limit the length of open trench in other sections of the pipeline construction to a maximum length of seven kilometres at any time.
- 7-3 Prior to vegetation clearing, the proponent shall mark significant habitat trees of sufficient age to form nesting hollows for hollow-nesting birds and mammals, in consultation with the Department of Conservation and Land Management and the Department of Environment.

The proponent shall not fell marked trees, except in the case where habitat trees occur in the direct line of the proposed pipeline.

- 7-4 The proponent shall employ a "fauna clearing person" to remove fauna from the trench. The "fauna clearing person" shall be able to demonstrate suitable experience to obtain a fauna handling licence by the Department of Conservation and Land Management.
- 7-5 The area of open trench shall be cleared by a "fauna clearing person" each day before 10a.m. and then subsequently during the day at intervals not exceeding two hours, and then half an hour prior to backfilling the pipeline trench.

- 7-6 In the event of significant rainfall, the proponent shall, following the clearing of fauna from the trench, pump out any pooled water in the open trench (with the exception of groundwater) and discharge it via a mesh (to dissipate energy) to adjacent vegetated areas.

Definition:

“Fauna clearing person” means employee whose responsibility is to daily walk the open trench to recover and record fauna found within the trench.

8 Flora

- 8-1 Prior to vegetation clearing commencing, the proponent shall submit a report which details the results of the spring flora surveys undertaken in 2005, to the requirements of the Minister for the Environment, on advice of the Department of Conservation and Land Management.

This report shall address:

1. the recorded location of any Declared Rare Flora and Priority Flora species;
 2. a description of the habitat in which specially protected flora species were found, and the extent of the contiguous area of the same habitat in the local area;
 3. the degree of impact of the proposed works on specially protected flora species or its identified contiguous habitat;
 4. the proposed management strategy for the protection of Declared Rare Flora or Priority Flora species; and
 5. post activity monitoring plan of specially protected flora species.
- 8-2 The proponent shall not disturb any Declared Rare Flora, without prior approval by the Minister for the Environment, pursuant to the provisions of *Wildlife Conservation Act 1950*.

9 Rehabilitation

- 9-1 The proponent shall implement and comply with the Rehabilitation Management Plan provided in Appendix 3 of the proponent’s *Assessment on Referral Information* document dated November 2005.
- 9-2 The proponent shall carry out rehabilitation to achieve the following completion criteria:
1. 100% compliance with the weed hygiene protocol;
 2. 100% compliance with the dieback hygiene protocol;
 3. vegetation and topsoil to be cleared and stored in accordance with the Environmental Management Plan;
 4. significant plant species to be protected in accordance with the rehabilitation plan;

5. all equipment, materials and litter to be removed from the area of disturbance;
6. natural contours to be re-instated to pre-disturbance conditions;
7. no active erosion rills in excess of the surrounding land;
8. within the 30 metre wide easement, individual bare patches must not exceed 10 metres in length, and the cumulative sum of bare patches must not exceed 10% of the total area of each consecutive 100 metre length of easement after 12 and 24 months, in the Leda Nature Reserve and Lowlands Bushland Western Block (Hymus Swamp);
9. the foliage cover of declared and environmental weeds on the area of disturbance to be similar to surrounding undisturbed areas at 12 and 24 months;
10. a minimum of one native plant per square metre when averaged over the entire area rehabilitated at 12 months and two native plants per square metre when averaged over the entire area rehabilitated at 24 months in the Leda Nature Reserve and Lowlands Bushland Western Block (Hymus Swamp);
11. percentage foliage cover of native species indigenous to each plant community to be greater than or equal to 40% of foliage cover in undisturbed areas of similar vegetation types outside the easement at 24 months in the Leda Nature Reserve and Lowlands Bushland Western Block (Hymus Swamp);
12. species richness to be greater or equal to 50% of richness in undisturbed areas of similar vegetation types outside the easement at 24 months;
13. within the 30 metre wide easement, individual bare patches must not exceed 10 metres in length, and the cumulative sum of bare patches must not exceed 10% of the total area of each consecutive 100 metre length of easement, when inconsistent with the original condition, after 12 and 24 months in the Leda Bushland and surrounding remnant vegetation;
14. a minimum of one native plant per square metre when averaged over the entire area rehabilitated at 24 months in the Leda Bushland and surrounding remnant vegetation; and
15. percentage foliage cover of native species indigenous to each plant community to be greater than or equal to 30% of foliage cover in undisturbed areas of similar vegetation types outside the easement at 24 months in the Leda Bushland and surrounding remnant vegetation.

9-3 The proponent shall implement the Rehabilitation Management Plan required by condition 9-1.

9-4 The proponent shall continue to manage rehabilitation of the pipeline route until the completion criteria, referred to in condition 9-2, have been achieved to the requirements of the Minister for the Environment on advice of the Environment Protection Authority and the Department of Conservation and Land Management.

Note: The proponent has obligations under the Department of Industry and Resources legislation to maintain the vehicle access track. Certain completion criteria may not be achievable within the access track.

- 9-5 The proponent shall, in consultation with the Department for Conservation and Land Management, review and revise, as required, the Rehabilitation Management Plan referred to in condition 9-1, to the requirements of the Department of Environment.
- 9-6 The proponent shall implement subsequent revisions of the Rehabilitation Management Plan required by condition 9-5.
- 9-7 The proponent shall make the Rehabilitation Management Plan required by condition 9-1 and subsequent revisions required by condition 9-5 publicly available.

10 Acid Sulphate Soils and Dewatering

- 10-1 The proponent shall, prior to trenching and excavation activities, prepare an Acid Sulphate Soils and Dewatering Management Plan to demonstrate that all practical measures have been included to manage the potential impacts from acid sulphate soils and dewatering activities, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.
- 10-2 The proponent shall implement and comply with the Acid Sulphate Soils and Dewatering Management Plan, required by condition 10-1.
- 10-3 The proponent shall review and revise, as required, the Acid Sulphate Soils and Dewatering Management Plan referred to in condition 10-1.
- 10-4 The proponent shall implement subsequent revisions of the Acid Sulphate Soils and Dewatering Management Plan required by condition 10-3.
- 10-5 The proponent shall make the Acid Sulphate Soils and Dewatering Management Plan, referred to in condition 10-1 and subsequent revisions referred to in condition 10-3 publicly available.

11 River Crossing

- 11-1 The proponent shall delineate the riparian vegetation along the Serpentine River (kilometre point 17.2) to the requirements of the Minister for the Environment on advice of the Department of Conservation and Land Management.
- 11-2 The proponent shall not cause or allow disturbance of riparian vegetation or the creek bed and banks during construction works of the Serpentine River crossing (kilometre point 17.2).

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 Ground Water Abstraction Licence for this project in order to conduct dewatering activities in accordance with the *Rights in Water and Irrigation Act 1914*.

Dr Judy Edwards MLA
MINISTER FOR THE ENVIRONMENT; SCIENCE

28 DEC 2005

The Proposal (Assessment No. 1607)

The proponent proposes to construct and operate a 23-kilometre underground gas transmission pipeline within the existing Dampier to Bunbury Natural Gas Pipeline corridor, to increase the supply of natural gas into the south-west of Western Australia. The pipeline is designed to increase the gas flow rate and the volume of gas stored within the pipeline infrastructure. Construction techniques will be in accordance with the requirements of *AS2885 Pipelines — Gas and Liquid Petroleum* and the Australian Pipeline Industry Association *Code of Environmental Practice*.

Table 1: Summary of key proposal characteristics

Element	Description
Location	Start at Kwinana Junction, and extend 23 kilometres in a south and south-east direction. End in Hopelands, Shire of Serpentine-Jarrahdale
Proposed action	Construct a buried 660-millimetre diameter pipeline adjacent to the existing DBNGP. This pipeline will be looped to the existing DBNGP to increase flow of natural gas
Route alignment	The pipeline will commence at Kwinana Junction Main Line Valve 139, north of Thomas Road. The route traverses south through the Leda area and Leda Nature Reserve. The pipeline route bends east at Mundijong Road, and extends in a south easterly direction prior to Baldvis Road, crossing the Kwinana Freeway and Serpentine River. The tie in point will be in Hopelands, between Punrak Road and Henderson Road, west of Hopelands Road
Route length	Approximately 23 kilometres
Proposed tenure	The pipeline will be constructed wholly within the existing DBNGP easement which is gazetted under the <i>Dampier to Bunbury Pipeline Act 1997</i> . The existing easement is 30 metres wide, and the footprint of the cleared corridor will be 23.5 metres except in environmentally sensitive areas where it will be 20 metres
Minimum depth of cover	1,000 millimetres
Temporary disturbance area	Approximately 69 hectares
Area of temporary vegetation clearance	Approximately 22 hectares
Environmentally sensitive areas	<ul style="list-style-type: none"> • Bush Forever site, Leda Nature Reserve (KP 0.5 to 7.8); • Serpentine River (KP 17.2); • Lowlands Bushland Western Block (Hymus Swamp) (KP 17.1 to 18.6), which is a Bush Forever site and Conservation Category Wetland; • individuals of the Declared Rare Flora species <i>Drakaea elastica</i>, identified within Lowlands Bushland Western Block (Hymus Swamp) (KP 17 to 18); and • Conservation Category Wetland (KP 22.4)
Activities outside the DBNGP easement	<ul style="list-style-type: none"> • truck reversing bays either side of Thomas Road and 400 metres south of Thomas Road; • ingress and egress via existing roads; and • truck turnaround bay and access from the end of the pipeline to Yangedi Road
Construction duration	Approximately 4 months
Construction workforce	Approximately 100 people

Key

DBNGP – Dampier to Bunbury Natural Gas Pipeline

KP – Kilometre Point

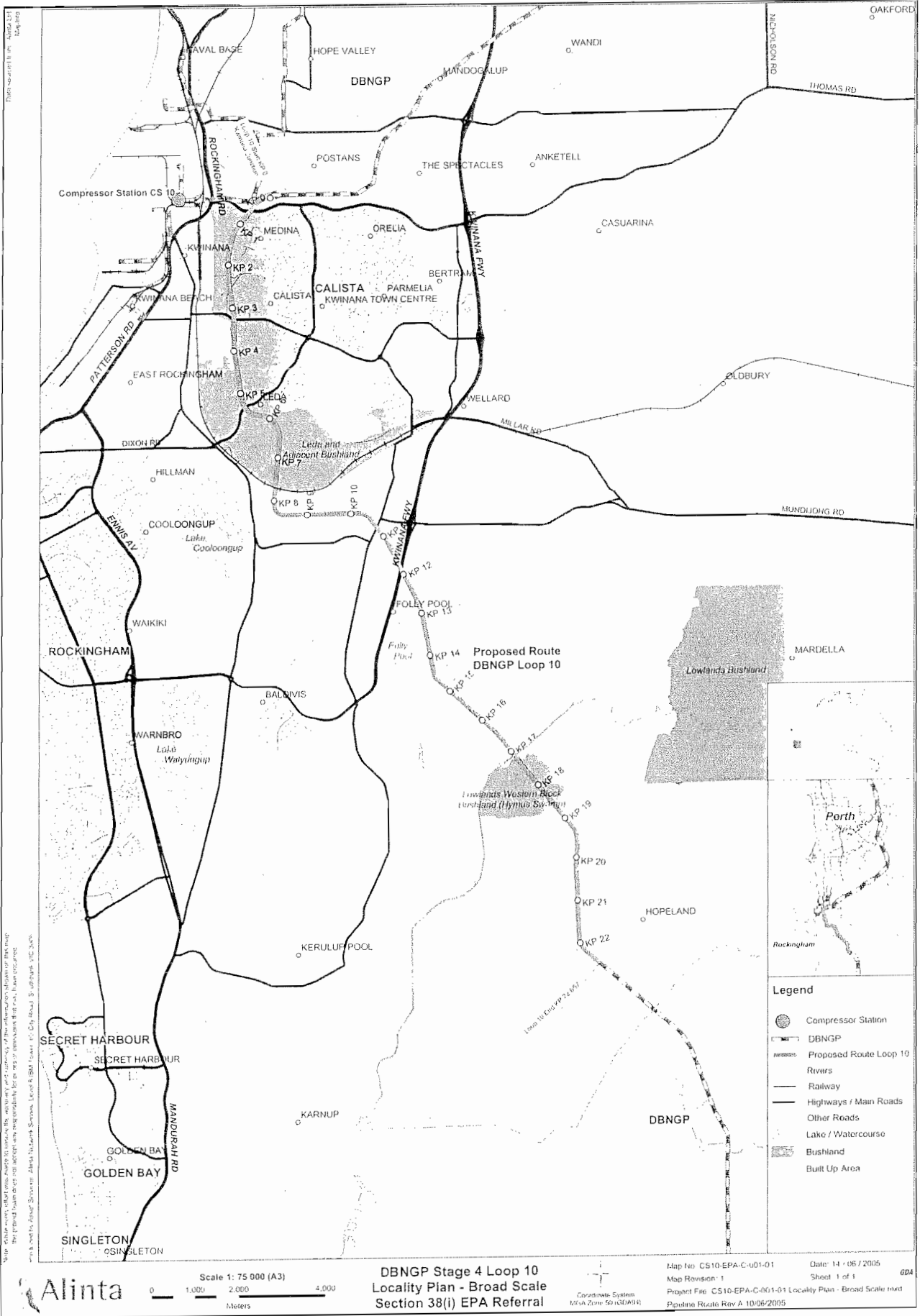


Figure 1: Pipeline location