



Ass # 907

Bull # 795

MINISTER FOR THE ENVIRONMENT WESTERN

State # 416

**STATEMENT TO AMEND CONDITIONS APPLYING TO A PROPOSAL
(PURSUANT TO THE PROVISIONS OF SECTION 46 OF THE
ENVIRONMENTAL PROTECTION ACT 1986)**

PROPOSAL: PREMIER COAL MINE EXPANSION, COLLIE
(601/743/907)

CURRENT PROPONENT: WESTERN COLLIERIES LTD

CONDITIONS SET ON: 2 APRIL 1992

CONDITIONS AMENDED ON: 5 APRIL 1993

The implementation of this proposal is now subject to the following conditions which replace all previous 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, including the expanded area of Premier Pit 4, the proponent shall fulfil the relevant environmental management commitments made in the Consultative Environmental Review (1991), in the Response to Issues (Appendix 1 in Environmental Protection Authority Bulletin 601) and in the "Premier Mine Development - Mine Proposal Update" (November 1994) and addendum, reported on in Environmental Protection Authority Bulletin 795; provided that the commitments are not inconsistent with the conditions or procedures contained in this statement.

The environmental management commitments were published in Environmental Protection Authority Bulletin 795 and a copy, as edited on 1 May 1996, is 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.

Published on

27 MAY 1996

- 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 Impacts on Residents

Predicted dust and noise impacts on residents surrounding the mining operation, particularly at Shotts from the crusher facility, are unacceptable and require a management strategy for resolution before development for coal mining commences.

- 3-1 Prior to coal mining operations the proponent shall prepare a management strategy, in consultation with the surrounding residents, which details plans for either relocating residents who would be affected by unacceptable noise, dust and risk impacts from the mining operation or for modifying the mining operations, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.
- 3-2 Should the strategy prepared in accordance with condition 3-1 be one of modifying mining operations rather than relocation of residents, the proponent shall implement the strategy through the Environmental Management Programme required by condition 4-1.
- 3-3 Should the strategy prepared in accordance with condition 3-1 be one of relocation of residents, the proponent shall implement the strategy to the requirements of the Minister for the Environment.

4 Environmental Management Programme

In order to plan for such a large earthmoving operation with large-scale environmental impacts, an Environmental Management Programme is required.

- 4-1 Prior to each major phase of the mining operation, including Pit 4, the proponent shall prepare an Environmental Management Programme to plan for and monitor the effects of that phase of the proposal and to provide appropriate management strategies based on the monitoring results, to the requirements of the Department of Environmental Protection.

This Programme shall address, but not necessarily be limited to, the management, monitoring, auditing and reporting requirements of the following issues:

- 1 noise, dust and risk impacts on surrounding residents;
- 2 impacts from the mine dewatering operation;
- 3 impact on the conservation values and area of the State Forest;
- 4 dieback disease management; and
- 5 rehabilitation to an acceptable final land use.

Note: The Environmental Management Programme must be consistent with the provisions of Clause 7 of the Collie Coal (Western Collieries) Agreement Act.

- 4-2 The proponent shall implement the Environmental Management Programme required by condition 4-1.

5 Mine Dewatering Impacts

The proponent is responsible for managing the impacts of the mine dewatering.

- 5-1 The proponent shall prepare a water supply plan, as part of the Environmental Management Programme (required by condition 4), which describes measures to ensure adequate domestic and stock water supplies for any existing private users of the

groundwater resource affected by the dewatering operation, to the requirements of the Minister for the Environment on advice of the Department of Environmental Protection and the Water and Rivers Commission.

- 5-2 The proponent shall implement the plan required by condition 5-1 to the requirements of the Department of Environmental Protection on advice of the Water and Rivers Commission.
- 5-3 The proponent shall utilise and/or dispose of any water occurring in or collecting on the Mining Lease (including water pumped or drawn from mines) in accordance with a water management plan which will deal with the supply of water to power stations and other utilities and the disposal of water in an acceptable manner.

Note: The development of the water management plan, which will be consistent with the provisions of relevant State Agreement Acts, is the responsibility of the Water and Rivers Commission.

6 Noise Limits

The proponent should conduct operations so that noise emissions do not unreasonably impact on the surroundings.

- 6-1 The proponent shall ensure that where such emissions would result in the noise level present at the affected premises exceeding the ambient noise level present at any time by more than 5 dB L_A slow, then noise emissions shall not exceed:

- 40 dB $L_{A10\%}$ 1 hour slow and 50 dB L_{Amax} slow between 2200 hours and 0700 hours on any day when measured at any noise-sensitive premises;
- 45 dB $L_{A10\%}$ 1 hour slow and 55 dB L_{Amax} slow between 1900 hours and 2200 hours on any day, and between 0700 hours and 1900 hours on Sundays and gazetted public holidays, when measured at any noise-sensitive premises;
- 50 dB $L_{A10\%}$ 1 hour slow and 70 dB L_{Amax} slow between 0700 hours and 1900 hours on Monday to Saturday inclusive, when measured at any noise-sensitive premises; and
- 65 dB L_A slow when measured at or near the boundary of premises that are not noise-sensitive premises (other industries);

where such emissions would result in the noise level present at the affected premises exceeding the ambient noise level present at any time by more than 5 dB L_A slow.

Note: The levels specified in this condition are only effective where the proponent has been granted an exemption, under Section 6 of the Environmental Protection Act, from the application of Part V of the Act with respect to noise. This exemption will cease to have effect on the coming into operation of any new regulations following the repealing of the Noise Abatement (Neighbourhood Annoyance) Regulations 1979.

- 6-2 The proponent shall ensure that noise emissions from those activities which are of concern to occupiers of noise-sensitive premises do not exhibit tones, amplitude and frequency modulation, and impulsiveness of a nature which increases the intrusiveness of the noise.
- 6-3 The proponent shall conduct noise surveys and assessments in consultation with the Department of Environmental Protection.

7 Dust Limit

The dust generated by the proposal should be kept within environmentally acceptable limits.

- 7-1 The proponent shall not cause dust at residential premises surrounding the mine to exceed 1000 micrograms per cubic metre ($\mu\text{g}/\text{m}^3$), measured continuously over 15 minutes.

8 Decommissioning

- 8-1 The proponent shall achieve the satisfactory decommissioning of the project, removal of the plant and installations and rehabilitation of the site and its environs.

- 8-2 At least six months prior to decommissioning, the proponent shall prepare a decommissioning and final rehabilitation plan to achieve the objectives of condition 8-1.

- 8-3 The proponent shall implement the plan required by condition 8-2.

9 Proponent

These conditions legally apply to the nominated proponent.

- 9-1 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.

10 Time Limit on Approval

The environmental approval for the proposal is limited.

- 10-1 If the proponent has not substantially commenced the expansion of the project to include Pit 4 within five years of the date of this statement, then the approval to implement the modified proposal shall lapse and be void. The Minister for the Environment shall determine any question as to whether the modified 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.

11 Compliance Auditing

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

- 11-1 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 reporting requirements for these conditions may be effected through the reporting requirements of the State Agreement Act, subject to meeting the timing 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.



Hon Peter Foss QC MLC
MINISTER FOR THE ENVIRONMENT

23 MAY 1996

Environmental Management Commitments

1 May 1996

**Expansion of Premier Coal Mine to
Include Premier Pit 4, Collie
(601/743/907)**

Proponent: Western Collieries Ltd

Groundwater Production

1. WCL will prepare and subsequently implement a groundwater dewatering and monitoring programme.
2. WCL will monitor the groundwater abstraction, water quality and the regional draw down effects from the mine dewatering on other existing licensed groundwater users.
3. WCL will liaise with the Water and Rivers Commission regarding regional effects.
4. WCL will implement remedial action, where necessary for safety reasons, of any areas of subsidence on the Premier mining lease due to the dewatering for the mining operation.

Groundwater Monitoring

5. During the dewatering operation, WCL will monitor the bores to determine abstraction rates and the quality of the water.
6. During the mining operation, WCL will establish a piezometer bore monitoring programme, in conjunction with the monitoring of other regional bores, to determine the draw down effect of the dewatering operation. Monitoring results will be submitted annually to the Water and Rivers Commission.

Surface water

7. WCL will implement measures, such as settling ponds, silt traps and biological filtration systems, to ensure that the natural drainage systems affected by the mining operation are not significantly adversely affected. Where possible, all drainage systems off rehabilitated areas would be diverted into recognised discharge points.

Dieback

8. WCL will cooperate with the Department of Conservation and Land Management regarding dieback mapping, access restrictions and hygiene controls in State Forest areas within the lease.

Blasting

9. WCL will arrange for those living or owning property close to the mine to have a property condition survey prior to mining commencing. The survey will be conducted by an independent third party at WCL's expense.
10. Any damage proven to be due to WCL's negligence will be rectified by WCL within three months to the original survey or other acceptable standard.

Noise

11. WCL will conduct noise modelling studies for critical locations surrounding the mine site.

Dust

12. WCL will implement reasonable dust mitigation measures to achieve dust levels to the recommended goals of 4g/m²/month for total particulates and 260 µg/m³ for a 24 hour maximum and 90 µg/m³ for the annual mean.

Final Void

13. WCL will design the final void to facilitate its use in accordance with guidelines approved by the relevant authorities at the time.

Transport

14. WCL will ensure that, except for WCL employees, no WCL mine related traffic will travel through Shotts.
15. WCL will ensure that the realignment of the road and the railway will not bring it any closer to the gazetted Shotts townsite.
16. WCL will provide an access route to the existing standard to all properties affected by the road/rail realignment.

Other

17. WCL will rectify, if technically feasible, any interference to the communications systems of surrounding residents due to the mining operation.
18. WCL will liaise with the Department of Conservation and Land Management and the Agriculture Protection Board regarding the control of weed species on the lease area. Control measures such as hand removal and selective herbicides would be used to control weed species which are affecting the success of the rehabilitation programme as deemed necessary.

Attachment 1 to Ministerial Statement 416

Change to proposal approved under section 45C of the *Environmental Protection Act 1986*

Changes:

- Include development and operation of a new open pit (Pit 5) within an area previously identified and approved as a Waste Rock Dump; and
- Include the definition of approved mining area and proposal Key Characteristics not previously defined in Ministerial Statement 416.

Table 1: Summary of the Proposal

Proposal Title	Premier Coal Mine Expansion, Collie (601/743/907)
Proponent	Premier Coal Limited
Short Description	The Premier Coal Mine is an open cut coal mine at the Premier Deposit in the Shott's Sub-Basin of the Collie Coal Basin, approximately 10kms East of Collie. The mine includes Premier Pits 1, 2, 3 and 4. Coal is mined using truck and shovel methods and includes a coal crushing plant and conveyor.

Table 2: Location and authorised extent of physical and operational elements

Proposal Element	Description of approved proposal	Description of approved change to proposal
Rate of Mining	5 Mtpa	5 Mtpa
Number of Pits	Pits 1, 2, 3 and 4	Pits 1, 2, 3, 4 and 5 (Figure 1)
Total area disturbed	Not more than 2,138.6 ha	Clearing of not more than 2,138.6 ha of native vegetation within the Development Envelope of 2,602 ha (specified by geographic coordinates presented in Table 4)
Development Envelope	2,602 ha	
Depth of Mining	No mining below 75 m AHD	No mining below 75 m AHD
Groundwater supply and abstraction including dewatering	Not more than 60 ML/d (21.6 GL/a)	Not more than 60 ML/d (21.6 GL/a)

Note: Text in **bold** in Table 2 indicates a change to the proposal.

Table 3: Abbreviations

Abbreviation	Term
Mtpa	Million tonnes per annum
ha	hectares
m	meters
AHD	Australian Height Datum
ML/d	Megalitres per day
GL/a	Gigalitres per annum

Figures and Tables (attached)

Figure 1 Development Envelope; and

Table 4 Development Envelope Coordinates [Map Grid of Australia MGA 94 Zone 50].

[Signed 29 June 2016]

Dr Tom Hatton

CHAIRMAN

Environmental Protection Authority
under delegated authority

Approval date: _____

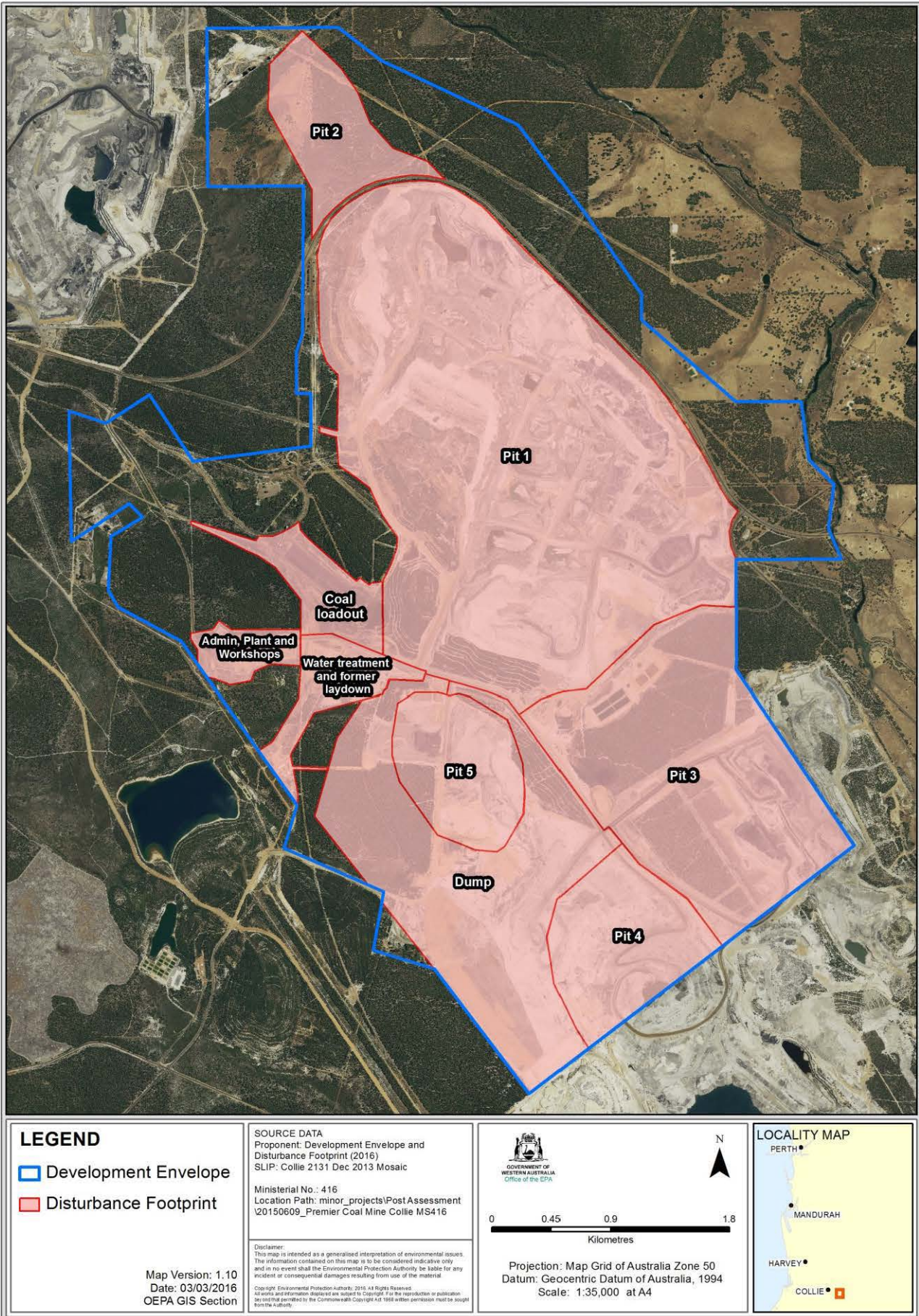


Figure 1 - Development Envelope

Table 4 – Development Envelope Coordinates

Coordinate Number	Easting (MGA50)	Northing (MGA50)
1	432824	6309274
2	433141	6309030
3	433131	6309030
4	434193	6308532
5	434697	6307862
6	435130	6307241
7	435126	6307047
8	435843	6306425
9	436345	6306424
10	436405	6305977
11	436593	6305793
12	436551	6305456
13	436651	6305224
14	435848	6305219
15	435854	6304451
16	435849	6304385
17	436747	6303048
18	434278	6301155
19	433555	6302106
20	433091	6302248
21	433170	6302695
22	432412	6303027
23	432511	6303355

Coordinate Number	Easting (MGA50)	Northing (MGA50)
24	431626	6304601
25	431145	6304857
26	431074	6304988
27	431094	6305396
28	431334	6305542
29	431232	6305646
30	430792	6305359
31	430774	6306351
32	431055	6306260
33	431385	6306475
34	431720	6305969
35	432616	6306086
36	432613	6306485
37	432505	6306486
38	432506	6306812
39	432551	6306937
40	432561	6308066
41	431831	6308062
42	431822	6309269
43	432621	6309273

All coordinates are in metres, listed in Map Grid of Australia Zone 50 (MGA Zone 50), datum of Geocentric Datum of Australia 1994 (GDA94).