



GOVERNMENT OF WESTERN AUSTRALIA

MINISTER FOR THE ENVIRONMENT; SCIENCE

Statement No.

000680

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

**TEMPORARY RELOCATION OF TOTAL WASTE MANAGEMENT'S
EVAPORATION PONDS TO THE MUNGARI INDUSTRIAL ESTATE
SHIRE OF COOLGARDIE**

Proposal: The construction and operation (on a three-year temporary basis) of six evaporation ponds (120 metres by 30 metres) in the north-eastern corner of the Mungari Industrial Estate in the Shire of Coolgardie, as documented in schedule 1 of this statement.

Proponent: LandCorp

Proponent Address: Level 3, Wesfarmers' House
40 The Esplanade
PERTH WA 6000

Assessment Number: 1556

Report of the Environmental Protection Authority: Bulletin 1167

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

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.

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25 JUL 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 Works Approval

- 4-1 The proponent shall apply for a Works Approval for this project under the provisions of Part V of the *Environmental Protection Act 1986*.

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.



Dr Judy Edwards MLA
MINISTER FOR THE ENVIRONMENT; SCIENCE

25 JUL 2005

Schedule 1

The Proposal (Assessment No. 1556)

The proposal is to construct and operate (on a temporary basis) six evaporation ponds (120 metres by 30 metres) in the north-eastern corner of the Mungari Industrial Estate in the Shire of Coolgardie (Figure 1).

The effluent to be evaporated at the Mungari site will have a chemical oxygen demand (COD) in the range 20,000 to 25,000 milligrams per litre and a total dissolved solids (TDS) content ranging from 20,000 to 40,000 milligrams per litre.

The estimated amount of effluent requiring evaporation will be approximately 10 Megalitres per year. Each pond has a capacity of 2.5 Megalitres, giving a combined maximum capacity of 15 Megalitres. The ponds will be lined with an HDPE liner underlain by compacted clay. The site layout of the ponds is shown in figure 2 (attached) and the key proposal characteristics in Table 1.

Table 1 – Key Proposal Characteristics

Element	Quantities/Description
Location	North-eastern corner of Mungari Industrial Estate, approximately 22 kilometres from the City of Kalgoorlie and 11 kilometres from Coolgardie along the Great Eastern Highway.
Action	Construct and operate series of six evaporation ponds to evaporate treated effluent.
Pond Capacity	6 × 2.5 Megalitres (combined capacity 15 Megalitres).
Expected volume of effluent	Approximately 10 Megalitres per year.
Pond Freeboard	300 millimetres.
Individual Pond Area	120 metres by 30 metres.
Excavation Depth	Approximately 1 metre.
Project lifetime	Approximately 3 years.
Pond Liner Type	Compacted clay underlying an HDPE liner.
Effluent receipt structure	Concrete discharge area connected to pond via above-ground piping.
Connection between ponds	Connected by pipe-work at the freeboard level to minimize potential overflow.
Expected cleared area	Approximately 5 hectares.

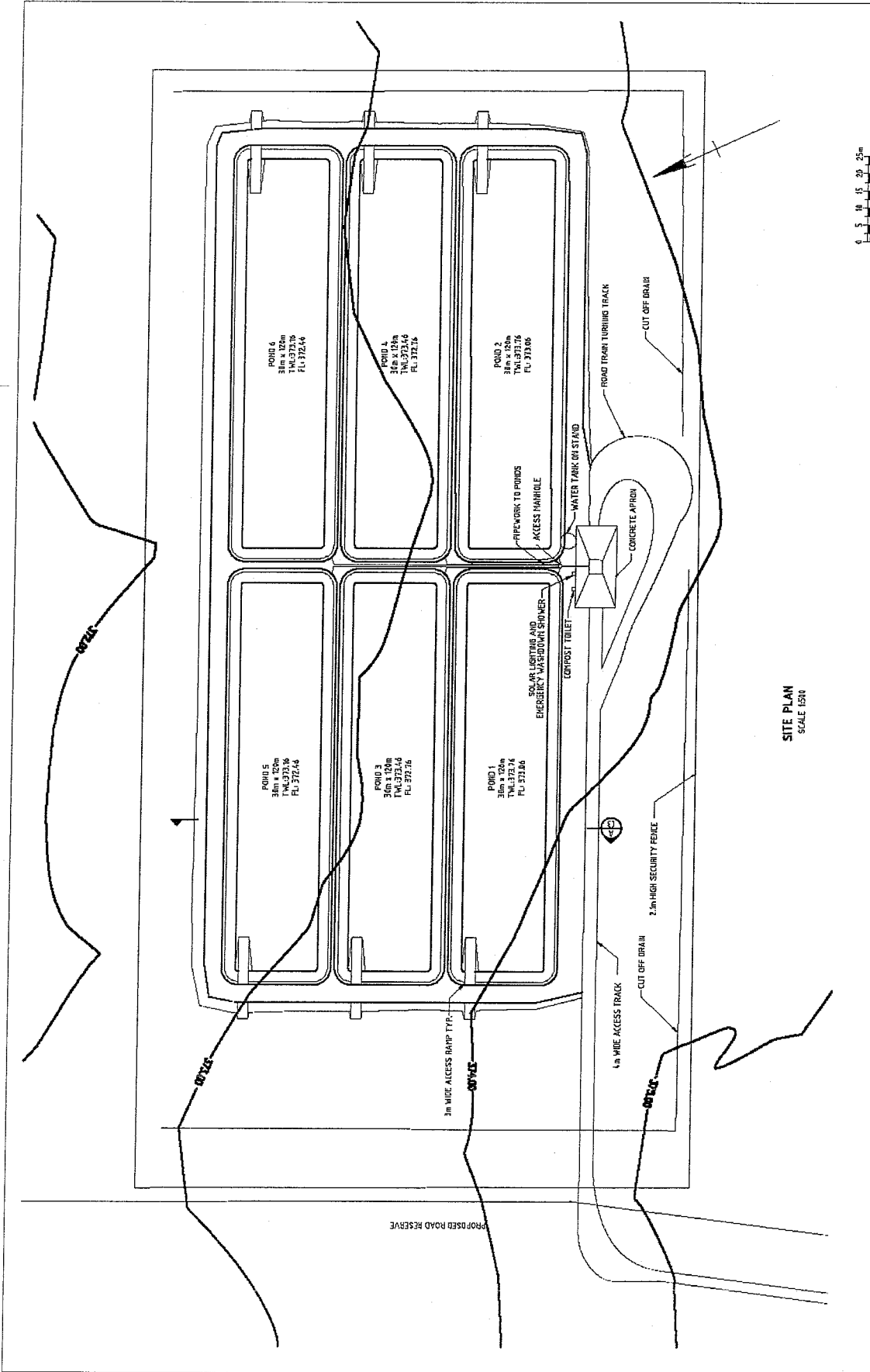
Abbreviations

HDPE = High density polyethylene

Figures (attached)

Figure 1 – Evaporation Pond Location

Figure 2 – Preliminary Site Plan



SITE PLAN
SCALE 1:500

0 5 10 15 20 25m
SCALE IN METERS FROM NORTH EAST CORNER

<p>Scale: AS SHOWN</p> <p>Drawn: []</p> <p>Checked: []</p> <p>Approved: []</p> <p>Client: []</p>		<p>DO NOT SCALE</p> <p>Project: []</p> <p>Task: []</p>	<p>PRELIMINARY</p>
<p>Client: LANDCORP</p> <p>Project: TEMPORARY RELOCATION OF LIQUID WASTE PONDS</p> <p>Task: SITE PLAN</p> <p>Drawn: []</p> <p>Checked: []</p> <p>Approved: []</p>		<p>Scale: AS SHOWN</p> <p>Drawn: []</p> <p>Checked: []</p> <p>Approved: []</p>	<p>PRELIMINARY</p>
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Figure 2: Preliminary Site Plan