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Published on: 19 November 2018

Statement No. 1086

STATEMENT THAT A PROPOSAL MAY BE IMPLEMENTED
(*Environmental Protection Act 1986*)

SHAMROCK STATION IRRIGATION PROJECT

Proposal: Develop a pivot irrigation project for the production of irrigated pasture and fodder to support intensive cattle grazing at Shamrock Station, located in the West Kimberley region of Western Australia.

Proponent: Argyle Cattle Company Pty Ltd
Australian Company Number 613 455 379

Proponent Address: 534 Wickham Hill Road
Kuitpo SA 5201

Assessment Number: 2137

Report of the Environmental Protection Authority: 1615

Pursuant to section 45 of the *Environmental Protection Act 1986* it has been agreed that the proposal described and documented in Table 1 of Schedule 1 may be implemented and that the implementation of the proposal is subject to the following implementation conditions and procedures:

1 Proposal Implementation

1-1 When implementing the proposal, the proponent shall not exceed the authorised extent of the proposal as defined in Table 2 of Schedule 1, unless amendments to the proposal and the authorised extent of the proposal have been approved under the EP Act.

2 Contact Details

2-1 The proponent shall notify the CEO of any change of its name, physical address or postal address for the serving of notices or other correspondence within twenty-eight (28) days of such change. Where the proponent is a corporation or an association of persons, whether incorporated or not, the postal address is that of the principal place of business or of the principal office in the State.

3 Time Limit for Substantial Commencement

- 3-1 The proposal must be substantially commenced within five (5) years from the date of this Statement.
- 3-2 The proponent must provide to the CEO documentary evidence demonstrating that it has complied with condition 3-1 no later than thirty (30) days after expiration of five (5) years from the date of this Statement.

4 Compliance Reporting

- 4-1 The proponent shall prepare, and maintain a Compliance Assessment Plan which is submitted to the CEO at least six (6) months prior to the first Compliance Assessment Report required by condition 4-6, or prior to implementation of the proposal, whichever is sooner.
- 4-2 The Compliance Assessment Plan shall indicate:
 - (1) the frequency of compliance reporting;
 - (2) the approach and timing of compliance assessments;
 - (3) the retention of compliance assessments;
 - (4) the method of reporting of potential non-compliances and corrective actions taken;
 - (5) the table of contents of Compliance Assessment Reports; and
 - (6) public availability of Compliance Assessment Reports.
- 4-3 After receiving notice in writing from the CEO that the Compliance Assessment Plan satisfies the requirements of condition 4-2 the proponent shall assess compliance with conditions in accordance with the Compliance Assessment Plan required by condition 4-1.
- 4-4 The proponent shall retain reports of all compliance assessments described in the Compliance Assessment Plan required by condition 4-1 and shall make those reports available when requested by the CEO.
- 4-5 The proponent shall advise the CEO of any potential non-compliance within seven (7) days of that non-compliance being known.
- 4-6 The proponent shall submit to the CEO the first Compliance Assessment Report fifteen (15) months from the date of issue of this Statement addressing the twelve (12) month period from the date of issue of this Statement and then annually from the date of submission of the first Compliance Assessment Report, or as otherwise agreed in writing by the CEO.

The Compliance Assessment Report shall:

- (1) be endorsed by the proponent's Chief Executive Officer or a person delegated to sign on the Chief Executive Officer's behalf;
- (2) include a statement as to whether the proponent has complied with the conditions;
- (3) identify all potential non-compliances and describe corrective and preventative actions taken;
- (4) be made publicly available in accordance with the approved Compliance Assessment Plan; and
- (5) indicate any proposed changes to the Compliance Assessment Plan required by condition 4-1.

5 Public Availability of Data

5-1 Subject to condition 5-2, within a reasonable time period approved by the CEO of the issue of this Statement and for the remainder of the life of the proposal the proponent shall make publicly available, in a manner approved by the CEO, all validated environmental data (including sampling design, sampling methodologies, empirical data and derived information products (e.g. maps)) relevant to the assessment of this proposal and implementation of this Statement.

5-2 If any data referred to in condition 5-1 contains particulars of:

- (1) a secret formula or process; or
- (2) confidential commercially sensitive information;

the proponent may submit a request for approval from the CEO to not make these data publicly available. In making such a request the proponent shall provide the CEO with an explanation and reasons why the data should not be made publicly available.

6 Operational Environmental Management Plan

6-1 Prior to the commencement of ground-disturbing activities or as otherwise agreed in writing by the CEO, the proponent shall prepare and submit an Operational Environmental Management Plan to the CEO, to demonstrate that the following environmental objectives will be met:

- (1) Avoid, where possible, and minimise impacts to the Greater Bilby within the development envelope as defined in Figure 2 of Schedule 1.
- (2) Avoid, where possible, and minimise direct and indirect impacts so that the proposal does not cause long term impacts to the environmental

values of the Injudinah Swamp and on the hydrological regime and water quality of the Broome Sandstone Aquifer.

- (3) Avoid, where possible, and minimise direct and indirect impacts so that the proposal does not cause significant change in the location of the saltwater interface due to the abstraction of water for the proposal.
- (4) Avoid, where possible, and minimise direct and indirect impacts so that the proposal does not cause long term impacts on Aboriginal heritage values.

6-2 The Operational Environmental Management Plan shall:

- (1) specify the environmental objectives to be achieved, as specified in condition 6-1;
- (2) specify risk-based management actions that will be implemented to demonstrate compliance with the environmental objectives specified in condition 6-1. Failure to implement one or more of the management actions represents non-compliance with these conditions;
- (3) specify measurable management target(s) to determine the effectiveness of the risk-based management actions;
- (4) specify monitoring to measure the effectiveness of management actions against management targets, including but not limited to, parameters to be measured, baseline data, monitoring locations, and frequency and timing of monitoring;
- (5) specify a process for revision of management actions and changes to proposal activities, in the event that the management targets are not achieved. The process shall include an investigation to determine the cause of the management target(s) being exceeded;
- (6) provide the format and timing to demonstrate that condition 6-1 have been met for the reporting period in the Compliance Assessment Report required by condition 4-6 including, but not limited to:
 - (a) verification of the implementation of management actions; and
 - (b) reporting on the effectiveness of management actions against management target(s).

6-3 After receiving notice in writing from the CEO that the Operational Environmental Management Plan satisfies the requirements of condition 6-2 for condition 6-1, the proponent shall:

- (1) implement the provisions of the Operational Environmental Management Plan; and

- (2) continue to implement the Operational Environmental Management Plan until the CEO has confirmed by notice in writing that the proponent has demonstrated the objectives specified in condition 6-1 have been met.

6-4 In the event that monitoring, tests, surveys or investigations indicate exceedance of management target(s) specified in the Operational Environmental Management Plan, the proponent shall:

- (1) report the exceedance in writing to the CEO within twenty-one (21) days of the exceedance being identified;
- (2) investigate to determine the cause of the management targets being exceeded;
- (3) provide a report to the CEO within ninety (90) days of the exceedance being reported as required by condition 6-4(1). The report shall include:
 - (a) cause of management targets being exceeded;
 - (b) the findings of the investigation required by condition 6-4(2);
 - (c) details of revised and/or additional management actions to be implemented to prevent exceedance of the management target(s); and
 - (d) relevant changes to proposal activities.

6-5 In the event that monitoring, tests, surveys or investigations indicate that one or more management actions specified in the Operational Environmental Management Plan have not been implemented, the proponent shall:

- (1) report the failure to implement management action/s in writing to the CEO within seven (7) days of identification;
- (2) investigate to determine the cause of the management action/s not being implemented;
- (3) investigate to provide information for the CEO to determine potential environmental harm or alteration of the environment that occurred due to the failure to implement management actions;
- (4) provide a report to the CEO within twenty-one (21) days of the reporting required by condition 6-5(1). The report shall include:
 - (a) cause for failure to implement management actions;
 - (b) the findings of the investigation required by conditions 6-5(2) and (3);
 - (c) relevant changes to proposal activities; and

- (d) measures to prevent, control or abate the environmental harm which may have occurred.

6-6 The proponent:

- (1) may review and revise the Operational Environmental Management Plan, or
- (2) shall review and revise the Operational Environmental Management Plan as and when directed by the CEO.

6-7 The proponent shall implement the latest revision of the Operational Environmental Management Plan, which the CEO has confirmed by notice in writing, satisfies the requirements of condition 6-2.

7 Aboriginal Heritage

7-1 Prior to the commencement of ground-disturbing activities, the proponent shall consult with the Karajarri Native Title Claim group and ensure that the proponent complies with its obligations under the *Aboriginal Heritage Act 1972*.

[signed on 19 November 2018]

Hon Stephen Dawson MLC
MINISTER FOR ENVIRONMENT

Table 1: Summary of the Proposal

Proposal Title	Shamrock Station Irrigation Project
Short Description	<p>Argyle Cattle Company Pty Ltd (ACC) is seeking to develop a pivot irrigation project for the production of irrigated pasture and fodder to support intensive cattle grazing at Shamrock Station, located in the West Kimberley region of Western Australia.</p> <p>The key components of the proposal include:</p> <ul style="list-style-type: none"> - Clearing of up to 650 ha by mechanical clearing for pivots, access tracks and irrigation infrastructure. - Installation of 11-12 groundwater abstraction bores and 4 monitoring bores. - Construction of 12-13 circular irrigation pivots of up to 42.5 ha each. - Construction of supporting infrastructure, including solar/diesel hybrid pumps. - Establishing and maintaining a 50–100 metre square fenced vegetation around each pivot, up to 550 ha in total. - Soil preparation, fertiliser application and seeding of fodder crop such as Rhodes grass, oats and sorghum within pivots. - Abstraction of up to 9.5 GL of groundwater annually from the Broome Sandstone Aquifer to supply the irrigation system. - “Stand and graze” operations within the pivot areas, entailing onsite rotational stocking of cattle from Shamrock Station and other stations owned by ACC. - Baling of surplus fodder for internal use on ACC stations.

Spatial coordinates for the boundaries of the proposal (MGA Zone 51)

Coordinates defining the boundaries shown in Figures 1 and 2 are held by the Department of Water and Environmental Regulation, Document Reference Number DWERDA – 027620.

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

Column 1	Column 2	Column 3
Element	Location	Authorised Extent
Irrigation pivots and supporting infrastructure	Figure 2	Clearing of up to 650 ha within a 1,200 ha indicative footprint.
Vegetation disturbed through grazing	Figure 2	Up to 550 ha in total within a 1,200 ha indicative footprint.
Groundwater abstraction		Up to 9.5 GL per annum.

Table 3: Abbreviations and Definitions

Acronym, abbreviation or term	Definition
CEO	The Chief Executive Officer of the Department of the Public Service of the State responsible for the administration of section 48 of the <i>Environmental Protection Act 1986</i> , or their delegate.
Environmental Management Plan Provisions	Key component of the Environmental Management Plan which are the legal requirements to be met by the proponent in implementing the Environmental Management Plan.
EP Act	<i>Environmental Protection Act 1986</i>
ha	Hectare
Management-based provisions	
Management actions	Risk-based actions to be implemented to meet the environmental objective.
Management targets	Targets to determine the effectiveness of the management actions.
Monitoring	Monitoring to measure the effectiveness of management actions.
Reporting	Reporting of implementation of management actions and reporting on the effectiveness of management actions to demonstrate that the objective/s have been met.

Figures (attached)

Figure 1 Regional location

Figure 2 Proposal development envelope and indicative footprint

Irrigated Agriculture Shamrock Station - Proposal Development Envelope and Indicative Footprint



LEGEND

- Development Envelope
- Indicative Footprint
- Aboriginal Places Register (DAA)
- Aust Protected Areas Database (2016)
- Towns
- Other Roads
- Highway
- DBCA Managed Lands and Waters (2016)

SOURCE DATA
 Proponent: Development Envelope, Indicative Footprint
 Basemap: ESRI

DWER GIS Section
 Date: 04/05/2018, Map Version: 4
 File No: 2017-1506051785473

Disclaimer:
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GVERNMENT OF WESTERN AUSTRALIA

N

0 5 10 20
Kilometres

Projection: Map Grid of Australia Zone 51
 Datum: Geocentric Datum of Australia, 1994
 Scale: 1:500,000 at A4



Figure 1 Regional location

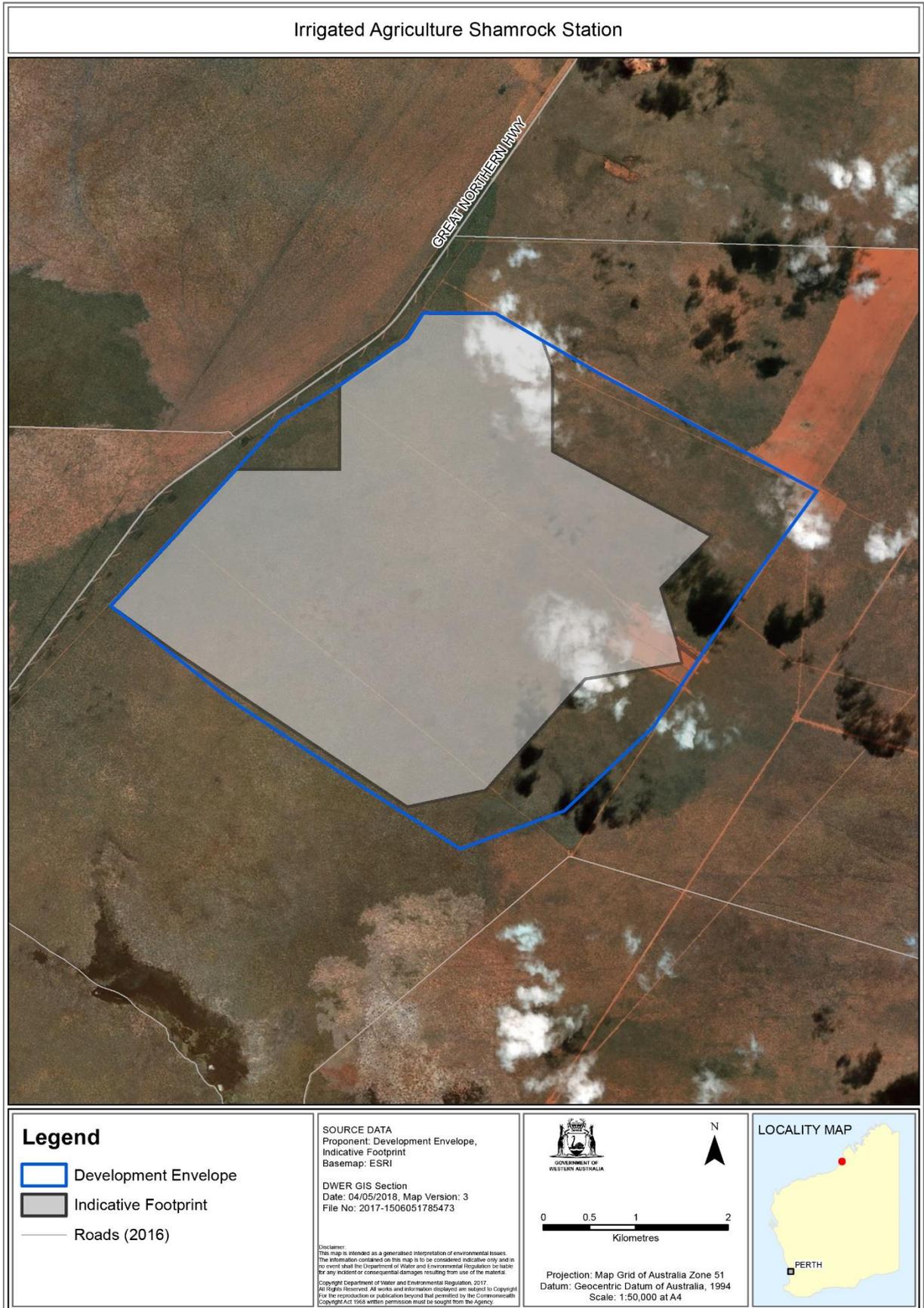


Figure 2 Proposal development envelope and indicative footprint