



Works Approval number W5699/2014/1

Works Approval Holder Bungaroo South Pty Ltd

ACN 152 574 528

Registered business address 1 Sleaf Road,
APPLECROSS WA 6153

DWER file number DER2014/001230

Duration 29/02/2016 to 28/02/2024

Date of amendment 22/02/2021

Premises details Bungaroo South Mine
Mining Tenement M47/1464 and L47/681
HAMERSLEY RANGE WA 6716
As defined by the coordinates in Schedule 2

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed production / design capacity
Category 5: Processing or beneficiation of metallic or non-metallic ore.	9,000,000 tonnes per annual period (dry) 10,000,000 tonnes per annual period (wet)
Category 6: Mine dewatering	4,500,000 tonnes per annual period
Category 54: Sewage facility	135 cubic metres per day

This Works Approval is granted to the Works Approval Holder, subject to the attached conditions, on 22 February 2021, by:

Stephen Checker
**MANAGER, WASTE INDUSTRIES
REGULATORY SERVICES**
an officer delegated under section 20
of the *Environmental Protection Act 1986* (WA)

Works approval history

Date	Reference number	Summary of changes
24/02/2016	W5699/2014/1	Works Approval granted.
24/07/2017	W5699/2014/1	Amendment to increase category 5 production design capacity from 8,000,000 to 9,000,000 tonnes per year
3/10/2017	L9065/2017/1	Licence granted
22/02/2021	W5699/2014/1	Amendment to extend expiry date; update business address and update template

Interpretation

In this works approval:

- (a) the words 'including', 'includes' and 'include' in conditions mean "including but not limited to", and similar, as appropriate;
- (b) where any word or phrase is given a defined meaning, any other part of speech or other grammatical form of that word or phrase has a corresponding meaning;
- (c) where tables are used in a condition, each row in a table constitutes a separate condition;
- (d) any reference to an Australian or other standard, guideline, or code of practice in this works approval:
 - (i) if dated, refers to that particular version; and
 - (ii) if not dated, refers to the latest version and therefore may be subject to change over time;
- (e) unless specified otherwise, any reference to a section of an Act refers to that section of the EP Act; and
- (f) unless specified otherwise, all definitions are in accordance with the EP Act.

NOTE: This works approval requires specific conditions to be met but does not provide any implied authorisation for other emissions, discharges, or activities not specified in this works approval.

Works Approval conditions

The Works Approval Holder must ensure that the following conditions are complied with:

Infrastructure and equipment

1. The Works Approval Holder shall construct the works in accordance with the documentation detailed in Table 1:

Table 1: Construction requirements¹

Document	Parts	Date of Document
Works Approval Application Form	All	5 June 2014
Works Approval Application, Iron Ore Holdings Limited, Bungaroo South Pty Ltd, Buckland Project – Bungaroo South Mine, Mine Dewatering, Wastewater Treatment Plant, Ore Processing Facilities, Class II Landfill - Rev 1	All, including Drawings and Appendices	3 June 2014
Email correspondence titled “RE: Bungaroo South Mine – application for works approval – further information required”, authored by Neil Dixon of Iron Ore Holdings Ltd	All, including Attachments	23 June 2014
Email correspondence titled “FW: 151204_DER_BSM_WAA_Responses_To_Enquiries”, authored by Les Purves, BC Iron Limited	All, including Attachments	4 December 2015
Email correspondence titled “160223_W5699_BSM_WA_WWTP_Operational_Water_Quality_Targets”, authored by Les Purves, BC Iron Limited	All	23 February 2016

Note 1: Where the details and commitments of the documents listed in condition 1 are inconsistent with any other condition of this works approval, the conditions of this works approval shall prevail.

2. The Works Approval Holder shall commission the Ore Processing Facilities (OPF) for a period not exceeding 4 months.
3. The Works Approval Holder shall commission the dewatering infrastructure for a period not exceeding 3 months.
4. The Works Approval Holder shall commission the Waste Water Treatment Plan (WWTP) for a period not exceeding 3 months.
5. The Works Approval Holder shall commission the mobile Crushing and Screening Plant for a period not exceeding 3 months.

Emissions

6. The Works Approval Holder shall ensure that where waste is emitted to land from the emission point in Table 2 and identified on the map of emission points in Schedule 1 it is done so in accordance with the conditions of this Works Approval.

Table 2: Emissions to land

Emission point reference and location on Map of emission points	Description	Source including abatement
Irrigation Area	Treated effluent is disposed of to a 3.3 hectare irrigation area	Treated effluent from WWTP

Improvements

7. The Works Approval Holder shall complete the improvements in Table 3 by the date of completion in Table 3.

Table 3: Improvement Program

Improvement reference	Improvement	Date of completion
IR1	<p>The Works Approval Holder shall, prior to commencing commissioning of the OPF, submit a commissioning plan to the Chief Executive Officer (CEO). The commissioning plan shall include details relating to:</p> <ul style="list-style-type: none"> (a) the commissioning stages and expected timescales for commissioning; (b) expected emissions and discharges during commissioning and the environmental implications of the emissions; (c) how emissions and discharges will be managed during commissioning; (d) the monitoring that will be undertaken during the commissioning period; (e) how accidents or malfunctions will be managed; (f) start up and shut down procedures; and (g) reporting proposals including accidents, malfunctions and reporting against the commissioning plan. <p>Commissioning shall be carried out in accordance with the commissioning plan.</p>	2 months prior to the commencement of commissioning

Compliance reporting

8. The Works Approval Holder shall submit an Environmental Compliance Report to the CEO, following the construction of the OPF, dewatering infrastructure and WWTP and prior to commissioning of the same.
9. The compliance document shall:
- (a) certify that the works were constructed in accordance with the conditions of the Works Approval; and
 - (b) be signed by a person authorised to represent the Works Approval Holder and contain the printed name and position of that person within the company.
10. The Works Approval Holder shall submit an Environmental Commissioning Report for the OPF and WWTP, to the CEO 1 month prior to the completion of commissioning.
11. The Works Approval Holder shall ensure the report includes;
- (a) a summary of the environmental performance of the facility as installed, against the design specification set out in the Works Approval application;
 - (b) a review of performance against the Works Approval conditions; and
 - (c) where they have not been met, measures proposed to meet the design specification and/or Works Approval conditions, together with timescales for implementing the proposed measures.
12. The Works Approval Holder shall submit a Crushing and Screening Plant Environmental Compliance Report to the CEO, following the construction of the mobile Crushing and Screening Plant and prior to commissioning of the same.

13. Subject to condition 12, the Crushing and Screening Plant Environmental Compliance Report shall be completed by a suitable qualified professional confirming each item of the mobile Crushing and Screening Plant has been constructed with no material defects.
14. The Works Approval Holder shall ensure that the parameters listed in Table 4 are notified to the CEO and are in accordance with the notification requirements of the table.

Table 4: Notification requirements

Condition or table (if relevant)	Parameter	Notification requirement	Format or form
2, 3, 4 and 5	Commencement of commissioning	7 days prior to start	None specified
	Completion of commissioning	7 days after completion	

Records and reporting (general)

15. The Works Approval Holder must record the following information in relation to complaints received by the Works Approval Holder (whether received directly from a complainant or forwarded to them by the Department or another party) about any alleged emissions from the premises:
 - (a) the name and contact details of the complainant, (if provided);
 - (b) the time and date of the complaint;
 - (c) the complete details of the complaint and any other concerns or other issues raised; and
 - (d) the complete details and dates of any action taken by the works approval holder to investigate or respond to any complaint.
16. The Works Approval Holder must maintain accurate and auditable books including the following records, information, reports, and data required by this works approval:
 - (a) the works conducted in accordance with condition 1;
 - (b) any maintenance or commissioning of infrastructure that is performed in the course of complying with condition 2, 3, 4 and 5;
 - (c) complaints received under condition 15.
17. The books specified under condition 15 must:
 - (a) be legible;
 - (b) if amended, be amended in such a way that the original version(s) and any subsequent amendments remain legible and are capable of retrieval;
 - (c) be retained by the works approval holder for the duration of the works approval; and
 - (d) be available to be produced to an inspector or the CEO as required.

Definitions

In this works approval, the terms in Table have the meanings defined.

Table 5: Definitions

Term	Definition
annual period	a 12 month period commencing from 1 July until 30 June of the immediately following year.
books	has the same meaning given to that term under the EP Act.
CEO	means Chief Executive Officer. CEO for the purposes of notification means: Director General Department administering the <i>Environmental Protection Act 1986</i> Locked Bag 10 Joondalup DC WA 6919 info@dwer.wa.gov.au
Commissioning	means the process of operation and testing that verifies the works and all relevant systems, plant, machinery and equipment have been installed and are performing in accordance with the design specification set out in the Works Approval.
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> and designated as responsible for the administration of Part V Division 3 of the EP Act.
discharge	has the same meaning given to that term under the EP Act.
emission	has the same meaning given to that term under the EP Act.
Environmental Commissioning Report	means a report on any commissioning activities that have taken place and a demonstration that they have concluded, with focus on emissions and discharges, waste containment, and other environmental factors.
Environmental Compliance Report	means a report to satisfy the CEO that the conditioned infrastructure and equipment has been constructed and installed in accordance with the Works Approval.
EP Act	<i>Environmental Protection Act 1986</i> (WA).
EP Regulations	<i>Environmental Protection Regulations 1987</i> (WA).
premises	the premises to which this Works Approval applies, as specified at the front of this Works Approval and as shown on the premises map in Schedule 1 to this Works Approval.
prescribed premises	has the same meaning given to that term under the EP Act.

Term	Definition
Schedule 1	means Schedule 1 of this Works Approval unless otherwise stated.
Schedule 2	means Schedule 2 of this Works Approval unless otherwise stated.
weekly	means a seven-day period commencing from the Monday until the Sunday of the following week.
Works Approval	refers to this document, which evidences the grant of the Works Approval by the CEO under section 54 of the EP Act, subject to the conditions.
Works Approval Holder	refers to the occupier of the premises being the person to whom this works approval has been granted, as specified at the front of this Works Approval.
OPF	means ore processing facility
WWTP	means wastewater treatment plant

END OF CONDITIONS

Schedule 1: Maps

Premises map

The premises is shown in the map below. The red line depicts the premises boundary.

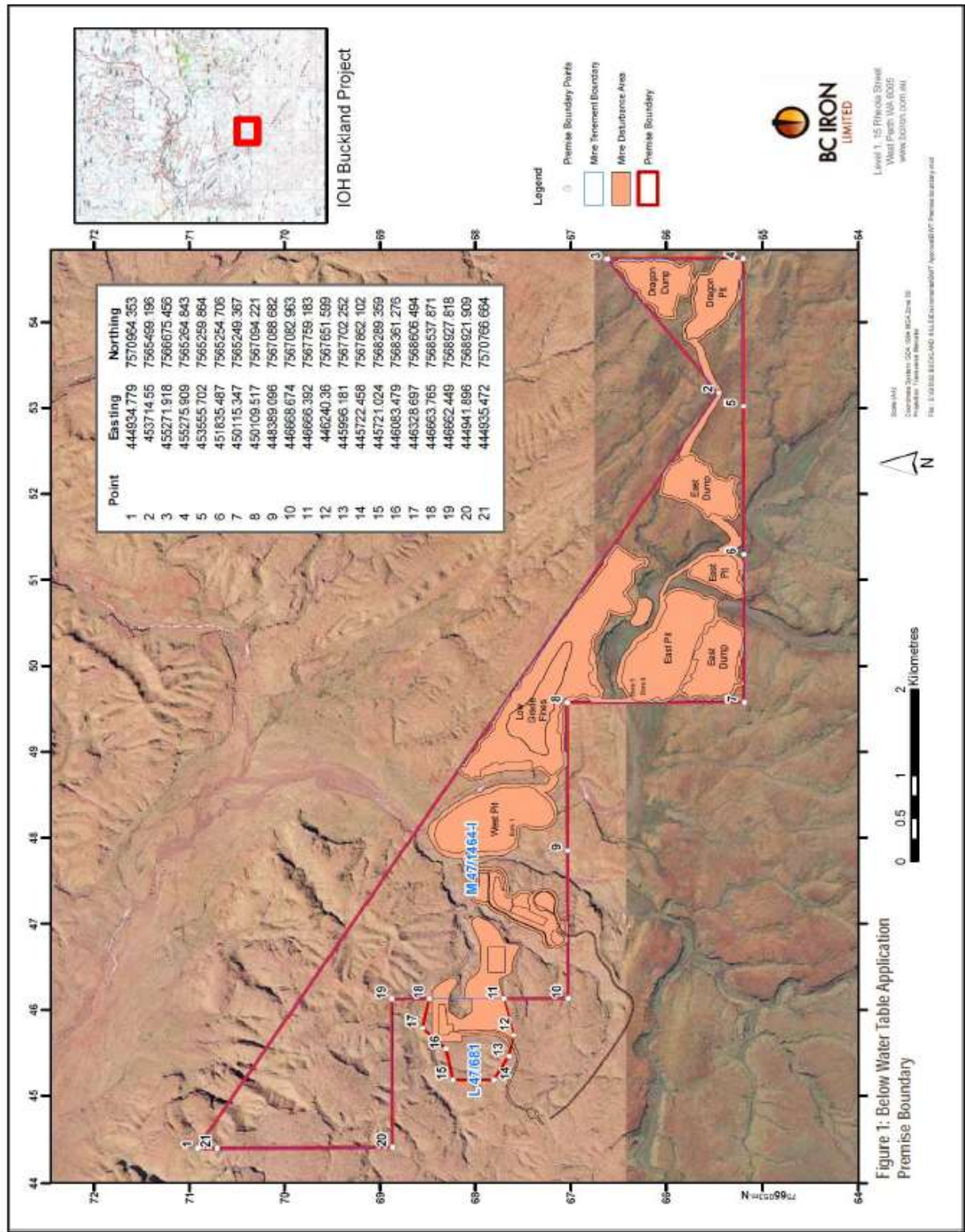


Figure 1: Map of the boundary of the prescribed premises

Map of emission points

The location of the emission point defined in Table 2 is shown below.

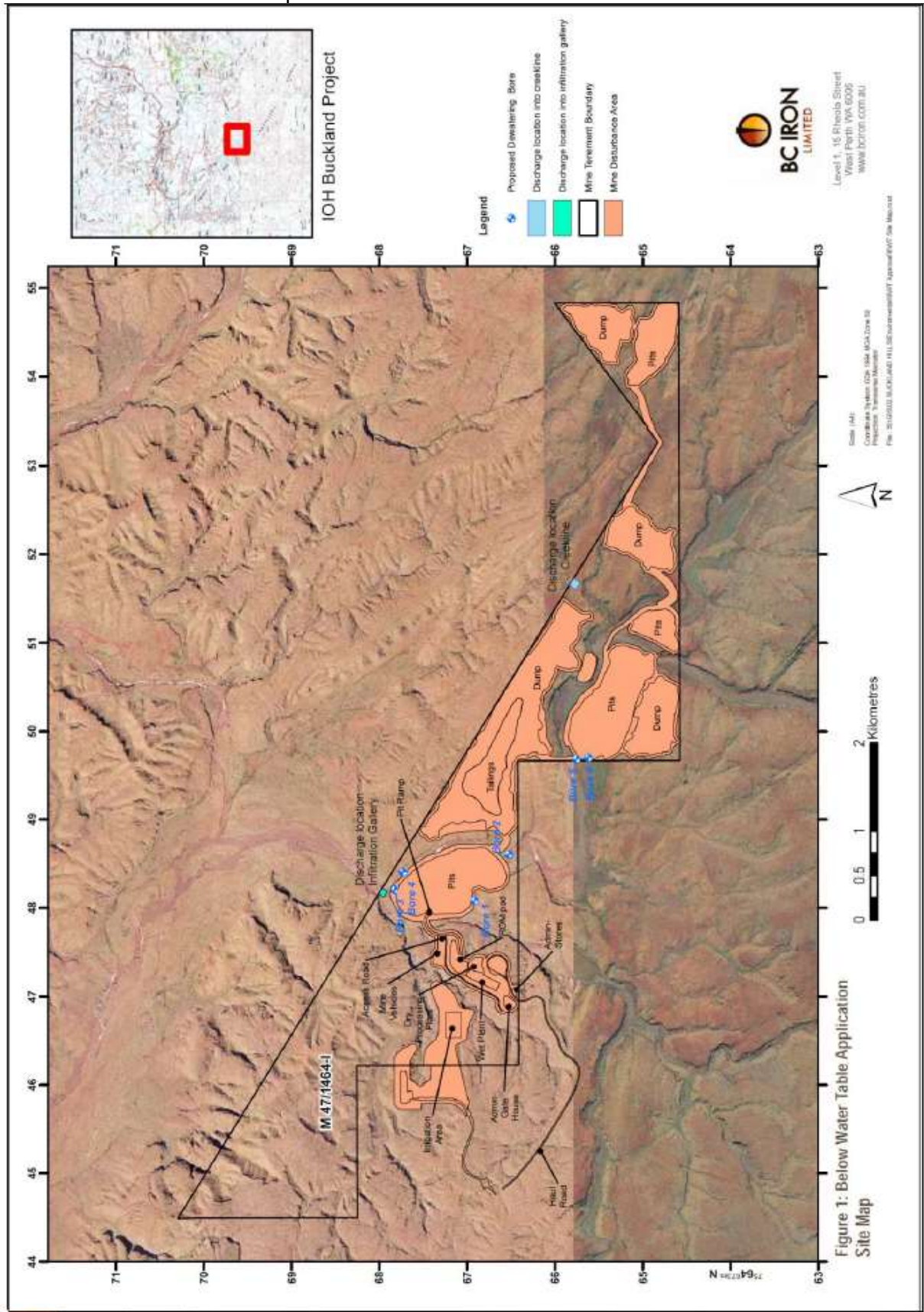


Figure 2: Map of the emission points as shown in Table 2

Schedule 2: Premises boundary

The premises boundary is defined by the coordinates in Table 6.

Corresponding number in Figure 1	Easting	Northing	Zone
1	444934.779	7570964.353	50
2	453714.55	7565499.196	50
3	455271.918	7566675.456	50
4	455275.909	7565264.843	50
5	453555.702	7565259.864	50
6	451835.487	7565254.706	50
7	450115.347	7565249.367	50
8	450109.517	7567094.221	50
9	448389.096	7567088.682	50
10	446668.674	7567082963	50
11	4466666.392	7567759.183	50
12	446240.36	7567651.599	50
13	445996.181	7568289.359	50
14	445722.458	7568361.276	50
15	445721.024	7568606.494	50
16	446083.479	7568537.871	50
17	446328.697	7568606.494	50
18	446663.765	7568537.871	50
19	446662.449	7568927.818	50
20	444941.896	7568921.909	50
21	444935.472	7570766.664	50

Table 6: Premises boundary coordinates (GDA 2020)