Government of Western Australia
Department of Water and Environmental Regulation

Works Approval

Works approval number	W6787/2023/1
Works approval holder	Chichester Metals Pty Ltd
ACN	109 264 262
Registered business address	Ground Floor, 256 St George's Terrace PERTH WA 6000
Instrument number	INS-0002647
Duration	20/06/2023 to 20/06/2026
Date of issue	20/06/2023
Date of amendment	09/06/2025
Premises details	Christmas Creek Mine Site Tenements E46/610, E46/612, M46/320, M46/321, M46/322, M46/323, M46/324, M46/325, M46/326, M46/327, M46/328, M46/329, M46/330, M46/331, M46/332, M46/333, M46/334, M46/335, M46/336, M46/337, M46/338, M46/339, M46/340, M46/341, M46/342, M46/343, M46/344, M46/345, M46/346, M46/347, M46/348, M46/349, M46/350, M46/351, M46/352, M46/353, M46/354, M46/355, M46/403, M46/406, M46/412, M46/413, M46/414, M46/415, M46/416, M46/417, M46/418, M46/419, M46/420, M46/421, M46/422, M46/423, M46/424, G46/7, L46/49, L46/56, L46/58, L46/86, L46/87, L46/106, L46/111, E46/566 and L46/66 NEWMAN WA 6753 As defined by the coordinates in Schedule 2

Prescribed premises category description (Schedule 1, *Environmental Protection Regulations 1987*)	Assessed production capacity
Category 5: Processing or beneficiation of metallic or non-metallic ore: premises on which — (a) metallic or non-metallic ore is crushed, ground, milled or otherwise processed; or (b) tailings from metallic or non-metallic ore are reprocessed; or (c) tailings or residue from metallic or non-metallic ore are discharged into a containment cell or dam.	4,200 tonnes per hour 36.792 million tonnes per year

This works approval is granted to the works approval holder, subject to the attached conditions, on 9 June 2025, by:

Digitally signed by Adam Green
Date: 2025.06.09 11:08:26 +08'00'

ADAM GREEN
A/MANAGER, WASTE INDUSTRIES
an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

Works approval history

Date	Reference number	Summary of changes
20/06/2023	W6787/2023/1	Works approval granted.
05/11/2024	W6787/2023/1	Extended authorised commissioning duration from 100 days to 160 days.
09/06/2025	W6787/2023/1	Extended time limited operations duration from 180 days to 360 days.

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:

Construction phase

Infrastructure and equipment

1. The works approval holder must:

(a) construct and/or install the infrastructure and/or equipment;

(b) in accordance with the corresponding design and construction / installation requirements;

(c) at the corresponding infrastructure location; and

(d) within the corresponding timeframe,

as set out in Table 1.

Table 1: Design and construction / installation requirements

	Infrastructure	Design and construction / installation requirements	Infrastructure location	Timeframe
1.	Hall overland conveyor	Hall overland conveyor to consist of: • 13.5 km conveyor. Dust controls: • Spray bars and dust covers at chutes transfer points to be installed on the hall overland conveyor; • Conveyor skirts, dustcovers and rubber curtains, wash down points and water sprays to be installed; • Enclosed chutes to be fitted at transfer points; and • Roof covers to be installed on all standard conveyor Low-Level Modules. Spillage controls: • Ground level drive-in bund to be constructed below the conveyor for head end containment and collection of ore; • Fully enclosed truss sections along the conveyor route with a suitable washdown launder bund arrangement to be installed at the rail crossing to eliminate any potential spillage of material to the ground; • Sump to be installed for the collection of washdown waste at the	Schedule 1: Maps, Premises map, Figure 1 and Figure 2	Prior to the submittal of the Environmental Compliance Report required by condition 2

	Infrastructure	Design and construction / installation requirements	Infrastructure location	Timeframe
		bottom of the launders to collect any material; • Transfer station wash down concrete pad sump is to be designed with a drive-in bund so any potential spills at loading points are contained to prevent any uncontrolled release of water and material to the environment; and • Primary and secondary scrapers installed at the return side of hall overland conveyor head pulley to minimise the carry back of ore. Stormwater controls: • Bunding and or windrows to be installed along the conveyor to divert stormwater around the site; and • Culverts at key locations around the site, including under the conveyor alignment, to divert stormwater and surface water flows.		
2.	Primary ore crushing plant	Primary ore crushing plant to consist of: • ROM Bin; • Apron feeder; • Dribble conveyor discharge chute; • Scalping screen; • Sizer feed chute; and • Discharge conveyor. Dust controls: • Dust covers and skirting to be installed around equipment and at transfer points; • Primary crushing plant loading station at the tail end area of the hall overland conveyor constructed with conveyor skirts, dust covers and rubber curtains; • Loading points at the transfer station (near the head end of the hall overland conveyor) constructed with conveyor skirts, dust covers and rubber curtains; • Enclosed chutes fitted at transfer points; and • ROM bins and primary ore crushing plant fitted with spray bars for dust suppression.	Schedule 1: Maps, Premises map, Figure 1 and Figure 2	Prior to the submittal of the Environmental Compliance Report required by condition 2

	Infrastructure	Design and construction / installation requirements	Infrastructure location	Timeframe
3.	Ore processing facility infeed	Ore processing facility infeed to consist of: • 200m^3 surge bin; • Single conveyor joining the primary ore crushing plant to discharge surge bin. Dust controls: • Spray bars, dust covers and foggers to be installed. Stormwater controls: • Bunding, windrows and/or collection drain systems to be installed to segregate and divert stormwater around the facility. • Additional two drainage points installed at the head end conveyor launder that reports sediment laden stormwater to concrete catchment bunds where sediment will be collected; • Two culverts installed to ensure stormwater runoff from the OPF footprint is contained within the existing surface water drainage collection within the stock yard with surface water flows reporting underneath the conveyor into the drain system; and • Two collection drain systems to be installed into the existing surface water system to promote surface water flows away from the head end and stock yard greater area.	Schedule 1: Maps, Premises map, Figure 1 and Figure 2	Prior to the submittal of the Environmental Compliance Report required by condition 2
4.	Hydrocarbons / chemical storage areas	• Chemicals and hydrocarbons storage areas designed in accordance with AS 1940:2017; • Bunds must have a net capacity of at least 110% of the capacity of the largest vessel, and 25% of the total capacity of all vessels stored within the bund; • If two or more vessels operate as a single unit, the capacity of all such vessels shall be utilised when calculating the necessary compound capacity; • All permanent chemical and hydrocarbon storage locations must be sufficiently impervious to retain	Schedule 1: Maps, Premises map, Figure 1 and Figure 2	Prior to the submittal of the Environmental Compliance Report required by condition 2

	Infrastructure	Design and construction / installation requirements	Infrastructure location	Timeframe
		spillage and be made of suitable construction materials (for example, HDPE, geosynthetic clay liners, and/or concrete); • Bunds sufficiently designed to allow practical recovery of any spillage and/or any collected and potentially contaminated rainfall; and • Earthen bunds lined and sealed with an appropriate material to ensure containment of any chemical or hydrocarbon spills.		

2. The works approval holder must within 30 calendar days of an item of infrastructure or equipment required by condition 1 being constructed and/or installed

(a) undertake an audit of their compliance with the requirements of condition 1; and

(b) prepare and submit to the CEO an Environmental Compliance Report on that compliance.

3. The Environmental Compliance Report required by condition 2, must include as a minimum the following:

(a) certification by a suitably qualified professional engineer or builder that the items of infrastructure or component(s) thereof, as specified in condition 1, have been constructed in accordance with the relevant requirements specified in condition 1;

(b) as constructed plans and a detailed site plan for each item of infrastructure or component of infrastructure specified in condition 1; and

(c) be signed by a person authorised to represent the works approval holder and contains the printed name and position of that person.

Environmental commissioning phase

Environmental commissioning requirements

4. The works approval holder may only commence environmental commissioning of an item of infrastructure identified in condition 1 once the Environmental Compliance Report has been submitted for that item of infrastructure in accordance with condition 2 of this works approval.

5. Any environmental commissioning activities undertaken for an item of infrastructure specified in Table 2 may only be carried out:

(a) in accordance with the corresponding commissioning requirements; and

(b) for the corresponding authorised commissioning duration

Table 2: Environmental commissioning requirements

	Infrastructure	Commissioning requirements	Authorised commissioning duration
1.	Hall overland conveyor	• 4,200 tonnes per hour; • No more than 6,132,000 tonnes of iron bearing ore processed over the 60 calendar days; • Dust suppression equipment to be regularly maintained; • Stormwater drainage controls to be regularly maintained; and • Daily visual inspections to ensure dust controls, stormwater controls and hydrocarbons / chemicals controls are working effectively.	For a period not exceeding 160 calendar days in aggregate
2.	Primary ore crushing plant		
3.	OPF infeed		
4.	Hydrocarbons / chemicals storage areas	• Hydrocarbons and chemicals stored within bunds of appropriate capacity; • Any leakage and spills from hydrocarbon and chemical storage facilities must be contained to prevent contamination of surrounding soil, watercourses, and drainage systems; • Suitable spill response equipment shall be available and maintained in close proximity to the chemical and hydrocarbon storage location; • All chemicals and hydrocarbons appropriately segregated from potential ignition sources; • Storage Data Sheets readily available for all stored chemicals and hydrocarbons. These shall be in close proximity to the chemical and hydrocarbon storage location; • Spillage and/or collected and potentially contaminated rainfall recovery should occur when needed to ensure optimal availability of bund capacity; • Discharge of any spillage and/or potentially contaminated rainfall from within a bund is not permitted; and • Portable bunding units are the least preferred method of chemical and hydrocarbon storage. These are intended to be utilised as temporary storage only. This includes instances where goods are in transit or are within handling areas.	

6. The works approval holder must submit to the CEO an Environmental Commissioning Report within 60 calendar days of the completion date of environmental commissioning for each item of infrastructure specified in Table 1.

7. The works approval holder must ensure the Environmental Commissioning Report required by condition 6 of this works approval includes the following:

(a) a summary of the environmental commissioning activities undertaken, including timeframes and amount of ore processed;

(b) a summary of environmental performance of each item of infrastructure or equipment as constructed or installed (as applicable), which at minimum includes records detailing the:

(i) environmental commissioning of the infrastructure;

(ii) testing of the infrastructure; and

(iii) commissioning of the process control systems; and

(c) a review of the works approval holder's performance and compliance against the conditions of this works approval; and

(d) where they have not been met, measures proposed to meet the manufacturer's design specifications and the conditions of this works approval, together with timeframes for implementing the proposed measures

8. The works approval holder may only commence time limited operations for an item of infrastructure identified in condition 1:

(a) where the item of infrastructure is not authorized to undertake environmental commissioning, the Environmental Compliance Report as required by condition 2 has been submitted by the works approval holder for that item of infrastructure; and

(b) where the item of infrastructure is authorized to undertake environmental commissioning under condition 5, the Environmental Commissioning Report for that item of infrastructure as required by condition 6 has been submitted by the works approval holder.

9. The works approval holder may conduct time limited operations for an item of infrastructure specified in condition 10 (as applicable):

(a) For a period not exceeding 360 calendar days from the day the works approval holder meets the requirements of condition 8 for that item of infrastructure; and

(b) Until such time as a licence for that item of infrastructure is granted in accordance with Part V of the Environmental Protection Act 1986, if one is granted before the end of the period specified in condition 9(a).

10. During time limited operations, the works approval holder must ensure that the premises infrastructure and equipment listed in Table 3 and located at the corresponding infrastructure location is maintained and operated in accordance with the corresponding operations requirement set out in Table 3.

Table 3: Infrastructure and equipment requirements during time limited operations

	Site infrastructure and equipment	Operational requirement	Infrastructure location
1.	Hall overland conveyor	• 4,200 tonnes per hour; • No more than 18,396,000 tonnes of iron bearing ore processed over the 180 calendar days; • Dust suppression equipment to be regularly maintained; • Stormwater drainage controls to be regularly maintained; and • Daily visual inspections to ensure dust controls, stormwater controls and hydrocarbons / chemicals controls are working effectively.	Schedule 1: Maps, Premises map, Figure 1
2.	Primary ore crushing plant		
3.	OPF infeed		
4.	Hydrocarbons / chemicals storage areas	• Chemicals and hydrocarbons stored within bunds of appropriate capacity; • Any leakage and spills from chemical and hydrocarbon storage facilities must be contained to prevent contamination of surrounding soil, watercourses, and drainage systems; • Suitable spill response equipment shall be available and maintained in close proximity to the chemical and hydrocarbon storage location; • All chemicals and hydrocarbons appropriately segregated from potential ignition sources; • Storage Data Sheets readily available for all stored chemicals and hydrocarbons. These shall be in close proximity to the chemical and hydrocarbon storage location; • Spillage and/or collected and potentially contaminated rainfall recovery should occur when needed to ensure optimal availability of bund capacity; • Discharge of any spillage and/or rainfall from within a bund is not permitted; and • Portable bunding units are the least preferred method of chemical and hydrocarbon storage. These are intended to be utilised as temporary storage only. This includes instances where goods are in transit or are within handling areas.	

Compliance reporting

11. The works approval holder must submit to the CEO a report on the time limited operations within 60 calendar days of the completion date of time limited operations or 60 calendar days before the expiration date of the works approval, whichever is the sooner.

12. The works approval holder must ensure the report required by condition 11 includes the following:

(a) a summary of the time limited operations, including timeframes and amount of ore processed;

(b) a summary of the environmental performance of all infrastructure as constructed or installed (as applicable), which includes records detailing the

(i) efficiency of dust controls;
(ii) efficiency of stormwater controls; and
(iii) efficiency of hydrocarbons / chemicals controls; and

(c) a review of operational performance and compliance against the conditions of the works approval and the environmental commissioning report; and

(d) where the manufacturer's design specifications and the conditions of this works approval have not been met, what measures will the works approval holder take to meet them, and what timeframes will be required to implement those measures.

Records and reporting (general)

13. 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.

14. 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 of infrastructure that is performed in the course of complying with condition 10; and

(c) complaints received under condition 13.

15. The books specified under condition 14 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 4 have the meanings defined.

Table 4: Definitions

Term	Definition
AS 1940:2017	Australian Standard, The storage and handling of flammable and combustible liquids
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 *Environmental Protection Act 1986* Locked Bag 10 Joondalup DC WA 6919 info@dwer.wa.gov.au
Department	means the department established under section 35 of the *Public Sector Management Act 1994* 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	means the sequence of activities to be undertaken to test equipment integrity and operation, or to determine the environmental performance, of equipment and infrastructure to establish or test a steady state operation and confirm design specifications.
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/or equipment has been constructed and/or installed in accordance with the works approval.
EP Act	*Environmental Protection Act 1986* (WA).
EP Regulations	*Environmental Protection Regulations 1987* (WA).
HDPE	High density polyethylene
OPF	Ore Processing Facility

Term	Definition
premises	the premises to which this licence applies, as specified at the front of this licence and as shown on the premises map (Figure 1) in Schedule 1 to this works approval.
prescribed premises	has the same meaning given to that term under the EP Act.
ROM	Run of Mine
time limited operations	refers to the operation of the infrastructure and equipment identified under this works approval that is authorised for that purpose, subject to the relevant conditions.
waste	has the same meaning given to that term under the EP Act.
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.

END OF CONDITIONS

Schedule 1: Maps

Premises map

The boundary of the prescribed premises is shown in the map below (Figure 1).

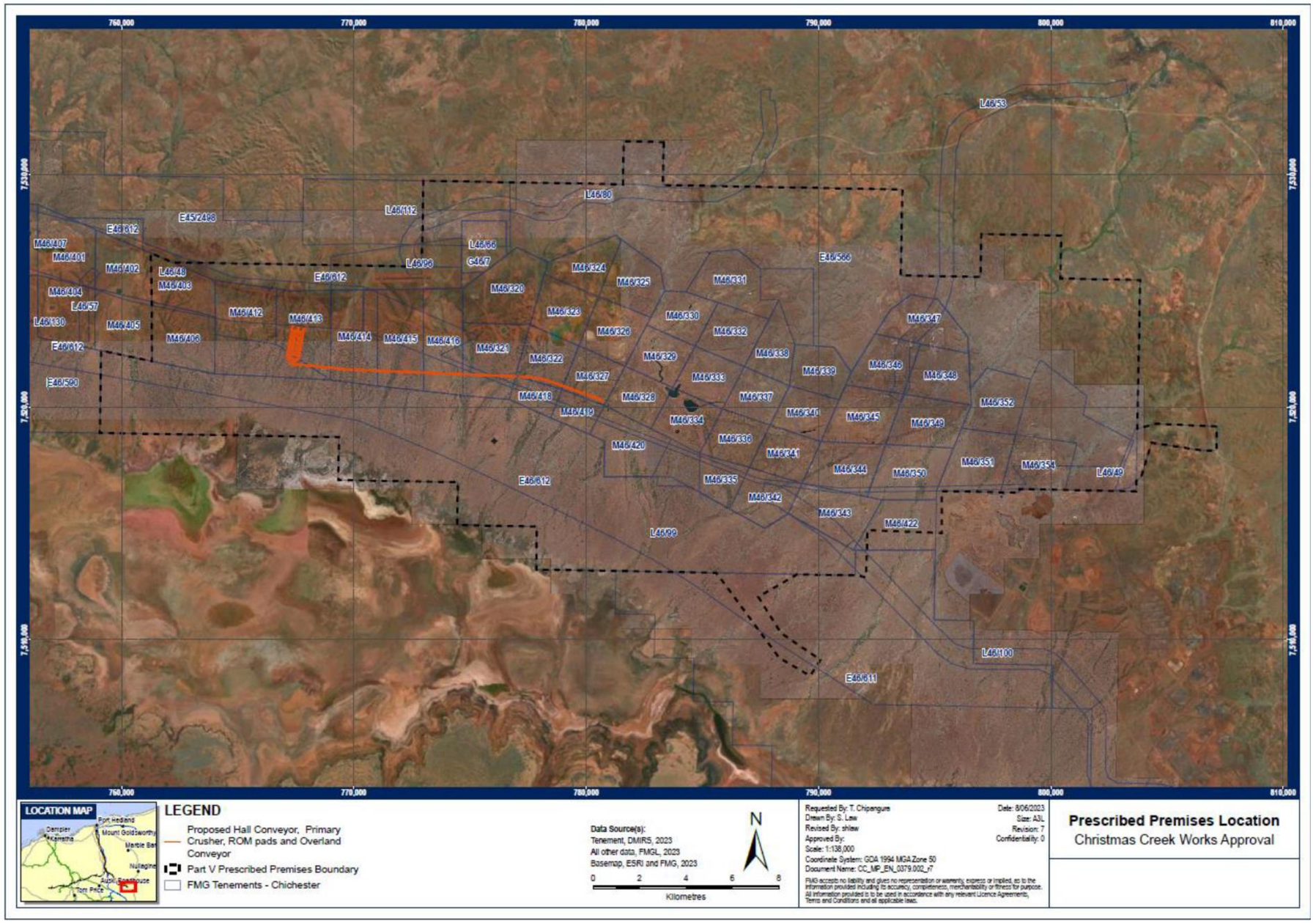

Figure 1: Map of the boundary of the prescribed premises

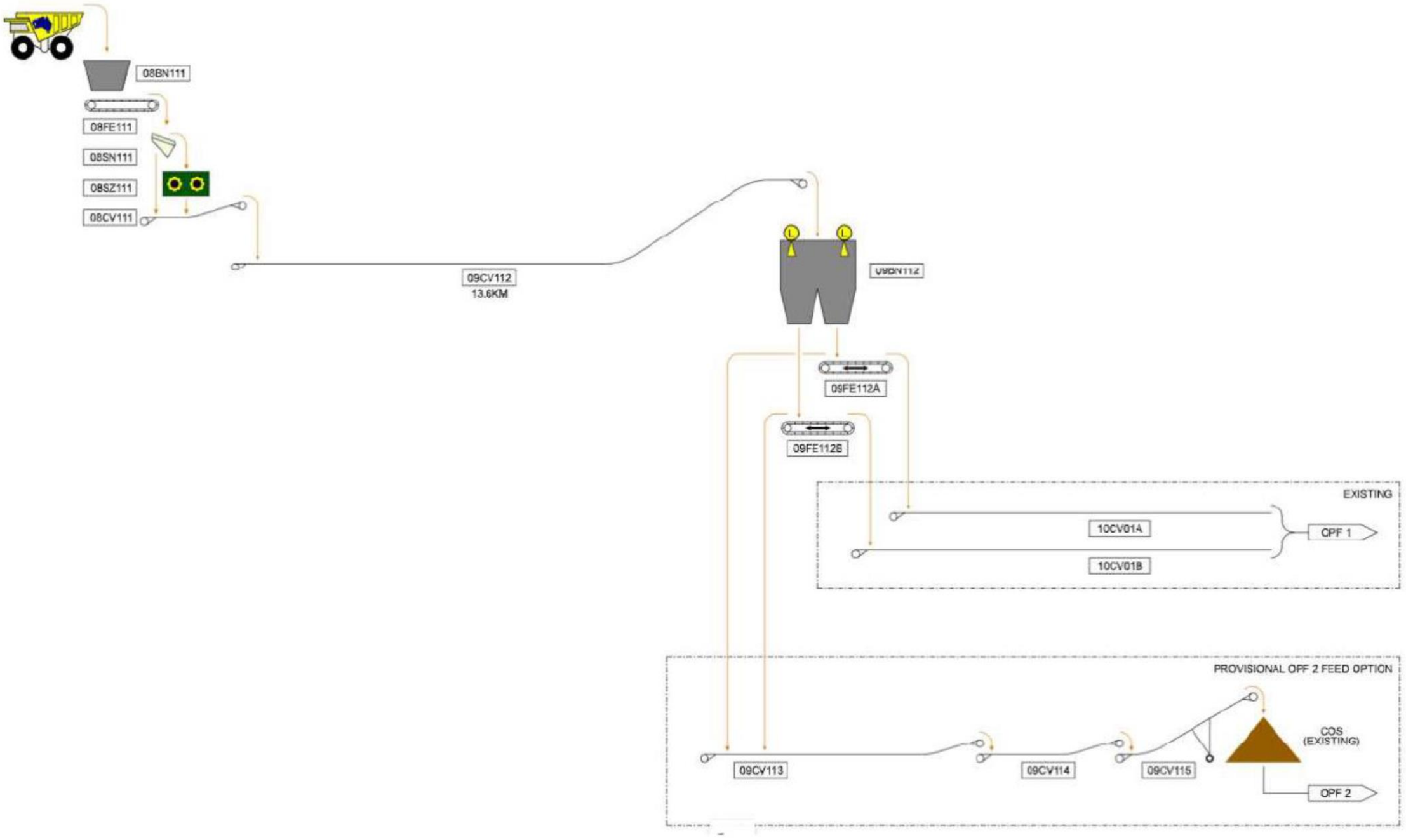

Figure 2: Proposed Hall Mining Hub Development Infrastructure and Process Flow Diagram

Schedule 2: Premises boundary

The corners of the premises boundary are the coordinates listed in Table 5.

Table 5: Premises boundary coordinates (GDA2020)

	Easting	Northing	Zone
1.	783334.4	7531385	50
2.	783300.7	7529539	50
3.	785018.7	7529507	50
4.	786736.6	7529476	50
5.	788454.6	7529444	50
6.	790172.6	7529412	50
7.	791890.6	7529380	50
8.	793608.6	7529347	50
9.	793573.6	7527501	50
10.	793538.7	7525654	50
11.	795256.3	7525622	50
12.	796974	7525589	50
13.	797009.3	7527436	50
14.	798727.2	7527403	50
15.	800445.1	7527369	50
16.	800409.3	7525523	50
17.	802127	7525489	50
18.	803844.7	7525456	50
19.	803808.5	7523609	50
20.	803772.3	7521763	50
21.	803736	7519916	50
22.	803719.3	7519065	50
23.	804521.9	7519274	50
24.	807141.5	7519164	50
25.	807119.2	7518133	50
26.	806518.5	7518126	50
27.	804333	7518466	50
28.	803903	7517033	50
29.	803675.2	7516818	50
30.	803666.4	7516373	50

31.	802730.1	7516391	50
32.	802557.6	7516394	50
33.	798654.3	7516470	50
34.	798651.4	7516321	50
35.	797831.5	7516336	50
36.	795310.4	7516377	50
37.	795303.1	7514584	50
38.	792103.9	7514706	50
39.	792080.3	7513847	50
40.	793476.3	7513844	50
41.	795031.4	7513840	50
42.	795026.9	7513600	50
43.	794974.2	7510850	50
44.	796690.2	7510817	50
45.	796654.7	7508970	50
46.	798370.5	7508937	50
47.	800086.3	7508904	50
48.	800050.3	7507057	50
49.	792382.2	7507213	50
50.	789876.1	7508809	50
51.	789876.1	7508809	50
52.	789698	7508533	50
53.	789642.2	7508446	50
54.	789492.8	7508533	50
55.	788310	7509217	50
56.	787664.8	7510089	50
57.	787382.8	7510471	50
58.	785777.7	7512641	50
59.	785588.7	7512874	50
60.	784712.8	7512890	50
61.	782996.7	7512921	50
62.	781280.6	7512953	50
63.	779564.6	7512984	50
64.	777848.5	7513015	50
65.	777881.8	7514861	50

66.	776165.6	7514892	50
67.	774449.4	7514923	50
68.	774482.2	7516769	50
69.	772765.8	7516800	50
70.	771049.4	7516830	50
71.	769333.1	7516860	50
72.	769365.3	7518706	50
73.	767648.7	7518736	50
74.	765932.2	7518765	50
75.	764215.7	7518795	50
76.	762499.2	7518824	50
77.	760782.7	7518853	50
78.	759066.2	7518882	50
79.	759097.2	7520728	50
80.	759125.6	7522425	50
81.	761316.7	7521965	50
82.	761306.4	7524522	50
83.	761263.3	7526616	50
84.	762197.9	7526216	50
85.	764341.7	7526180	50
86.	766059.1	7526150	50
87.	767776.4	7526121	50
88.	769493.8	7526091	50
89.	771211.2	7526061	50
90.	772928.6	7526031	50
91.	772961.1	7527877	50
92.	772993.5	7529723	50
93.	774711.4	7529693	50
94.	776429.2	7529663	50
95.	778147.1	7529632	50
96.	779864.9	7529601	50
97.	781582.8	7529570	50
98.	781616.3	7531416	50
99.	783334.4	7531385	50