



Licence Number	L8117/2006/9
Licence Holder	Hamersley HMS Pty Ltd
ACN	115 004 129
Registered business address	Level 12, Central Park 152-158 St Georges Terrace PERTH WA 6000
File Number	DER2013/001046-1
Duration	27/11/2021 to 26/11/2041
Date of issue	18/11/2021
Date of amendment	13/08/2024
Premises Details	Hope Downs 1 Iron Ore Mine Legal description - Mining Lease AM70/282 and L47/378 NEWMAN WA 6753 (as depicted in Schedule 1)

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations</i> 1987)	Assessed design capacity
Category 5: Processing or beneficiation of metallic or non-metallic ore	32,000,000 tonnes per annual period
Category 6: Mine dewatering	40,150,000 tonnes per annual period
Category 12: Screening etc. of material premises	10,000,000 tonnes per annual period
Category 54: Sewage facility	402 cubic metres per day
Category 64: Class II putrescible landfill site	11,500 tonnes per annual period
Category 73: Bulk storage of chemicals etc.	1,500 cubic metres in aggregate

This Licence is granted to the licence holder, subject to the following conditions, on 13 August 2024, by:

an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

Licence history

Reference number	Date	Summary of changes
L8117/2006/1	27/11/2006	Licence re-issue
L8117/2006/2	27/11/2007	Licence re-issue
L8117/2006/3	27/11/2008	Licence re-issue
L8117/2006/4	27/11/2009	Licence re-issue
L8117/2006/5	27/11/2010	Licence re-issue
L8117/2006/6	27/11/2011	Licence re-issue
L8117/2006/7	27/11/2012	Licence re-issue
L8117/2006/8	27/11/2013	Licence re-issue
L8117/2006/8	7/05/2015	Amendment – multiple changes
L8117/2006/8	3/12/2015	Amendment – Addition of Category 12, removal of multiple conditions with introduction of regulatory reform risk assessment.
L8117/2006/8	15/01/2019	Amendment Notice 1 – for the: <ul style="list-style-type: none"> • removal of South Village WWTP1 and WWTP2 from the Licence; • construction and operation of two new Category 64 landfills; and • addition of Category 73: Bulk Fuel Storage.
L8117/2006/9	19/11/2021	Replacement licence endorsed
L8117/2006/9	13/08/2024	Amendment – administrative changes to authorise flexibility in landfills locations (previously assessed), and minor updates to definitions and reporting requirements

Interpretation

In this Licence:

- (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 licence:
 - (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.
- (f) unless specified otherwise, all definitions are in accordance with the EP Act.

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

Licence conditions

The licence holder must ensure that the following conditions are complied with:

Infrastructure and equipment

Maintenance and Operation requirements

1. The licence holder must ensure that the site infrastructure and equipment listed in Table 1 and located at the corresponding infrastructure location is maintained and operated in accordance with the corresponding operational requirement set out in Table 1.

Table 1: Infrastructure and equipment operational requirements

Site infrastructure	Operational requirements	Infrastructure location
Mobile Crushing and Screening Plant	Operate in accordance with the Iron Ore (WA) Mobile Crushing and Screening Management Plan (RTIO-HSE-0235877).	N/A
Site Administration Building WWTP North Village WWTP1 North Village WWTP2	<ul style="list-style-type: none"> • All effluent discharged must consists only of treated sewage and discharged to the irrigation sprayfield areas depicted in Figure 2 and Figure 3. • Record the monthly cumulative volume of treated wastewater being discharged from each WWTP and this data must be included in the Annual Environmental Report. 	Figure 2 and Figure 3
Putrescible Landfill	<ul style="list-style-type: none"> • Tipping area must not be greater than 30 m in length and 2 m above ground level; • Special Wastes Type 1 and 2 only are deposited in a specific trench within the landfill; • Water that has come into contact with waste must be retained on the landfill site; • Waste covered weekly with clean inert and incombustible material must be at least 200 mm so that no waste is left exposed. 	Within the premises boundary and following the criteria specified in conditions 10 and 11
Inert Landfill/s	Waste must be covered with inert and incombustible material when practicable and to at least 200 mm at final landform.	
2 X 200kL fuel tanks	<ul style="list-style-type: none"> • Tanks must be double skinned; • All fuel transfer points, pipes and valves must be located within concrete bunds / pads; • Tanks levels must be electronically monitored to prevent overflow; and • Refueling must occur on the concrete pad. 	Figure 5

General

2. The licence holder must only accept waste on to the Premises if:
- (a) it is of a type listed in Table 2; and
 - (b) the quantity accepted is below any quantity limit listed in Table 2; and
 - (c) it meets any specification listed in Table 2; and
 - (d) demonstrates compliance with the acceptance criteria for a Class II putrescible landfill.

Table 2: Waste acceptance

Waste type	Quantity limit (Total)
Putrescible landfill	
<ul style="list-style-type: none">• Clean Fill• Inert Waste Type 1• Inert Waste Type 2• Putrescible Waste• Special Waste Type 1• Special Waste Type 2 and• Other wastes that comply with the Class II criteria as defined in Landfill Definitions	11,500 tonnes per annual period
Inert Landfill	
<ul style="list-style-type: none">• Clean Fill• Inert Waste Type 1;• Inert Waste Type 2; and• Putrescible Waste (wooden pallets and wooden packaging only).	

Monitoring

General

3. The licence holder must ensure that:
- (i) all water samples are collected and preserved in accordance with AS/NZS 5667.1;
 - (ii) all wastewater sampling is conducted in accordance with AS/NZS 5667.10; and
 - (iii) all laboratory samples are submitted to and tested by a laboratory with current NATA accreditation for the parameters being measured.

WWTP monitoring

4. The licence holder must collect and analyse representative water samples from the sampling locations listed in Table 3, at the frequency and for the parameters specified in that table.

Table 3: Hope Downs 1 effluent discharge monitoring requirements

Sampling Location	Parameter	Frequency
Effluent discharge point: <ul style="list-style-type: none"> Site Administration Building WWTP North Village WWTP1 North Village WWTP2 	5 day Biochemical Oxygen Demand (mg/L)	Quarterly
	Total Suspended Solids (mg/L)	
	pH ¹	
	Residual Chlorine (mg/L) ¹	
	Total Nitrogen (mg/L)	
	Total Phosphorus (mg/L)	
	<i>E.coli</i> (cfu/100mL)	

Note 1: In-field non-NATA accredited analysis permitted

5. The licence holder must record the monthly cumulative volume of treated wastewater being discharged from each WWTP and this data shall be included in the Annual Environmental Report.
6. The licence holder must ensure that sedimentation basins are maintained at each point of discharge from the premises.
7. The licence holder must ensure that the concentration of Total Recoverable Hydrocarbons in waters discharged from the premises does not exceed 30 mg/L.

Dewatering monitoring

8. The licence holder must ensure the Weeli Wolli Creek gabion outlet is managed to ensure minimal erosion and scouring impacts at the discharge point.
9. The licence holder must only discharge dewatering water from the following dewatering discharge points as depicted in Figure 4:
 - (i) Gabion Discharge Point; and
 - (ii) Spurs 1 -13.

Construction and management

Putrescible landfills

10. The licence holder must ensure that all Putrescible Landfills are constructed and maintained to the following requirements as specified below:
 - (i) Located no less than: 1,000 m from Weeli Wolli Spring; 500 m from Weeli Wolli Creek and Pebble Mouse Creek; and 100 m from any other perennial or permanent watercourse.
 - (ii) Located so that distance between waste and highest seasonal and expected post mining ground water level is no less than 10 m.
 - (iii) Earthen bunding installed around the facility to divert stormwater away from the landfill.
 - (iv) A sump constructed within the landfill to collect any surface water that has come into contact with waste.

- (v) Firebreak at least 3 m in width around the boundary of the landfill;
- (vi) Fenced to minimise windblown waste.
- (vii) Gated and locked with a sign which clearly defines what waste is accepted onto the landfill.
- (viii) Location recorded on internal GIS mapping system.

Inert landfill/s

- 11.** The licence holder must ensure that inert landfills are constructed and maintained to the following requirements as specified below:
- (i) Located no less than: 1,000 m from Weeli Wolli Spring; 500 m from Weeli Wolli Creek and Pebble Mouse Creek; and 100 m from any other perennial or permanent watercourse.
 - (ii) A sign at the entrance which clearly defines what waste is accepted onto the landfill.
 - (iii) Located so that distance between waste and highest seasonal and expected post mining ground water level is no less than 3 m.
 - (iv) Earthen bunding installed around the facility to divert stormwater away from the landfill.
 - (v) A sump or bunding constructed within the landfill to collect surface water that has come into contact with waste.
 - (vi) Location recorded on internal GIS mapping system.

Landfill construction compliance conditions

- 12.** The licence holder must within 30 days of each item of infrastructure required by either Condition 10 or Condition 11 being constructed:
- (i) undertake an audit of their compliance with the requirements of the condition and
 - (ii) prepare and submit to the CEO an audit report on that compliance.

Records and reporting

- 13.** All information and records required by the licence must:
- (a) be legible;
 - (b) if amended, be amended in such a way that the original and subsequent amendments remain legible and are capable of retrieval;
 - (c) except for records listed in condition 13(d), be retained for at least 6 years from the date the records were made or until the expiry of the licence or any subsequent licence; and;
 - (d) for those following records, be retained until the expiry of the licence and any subsequent licence:
 - (i) off-site environmental effects; or
 - (ii) matters which affect the condition of the land or waters.

- 14.** The licence holder must:
- (a) undertake an audit of their compliance with the conditions of this licence during the preceding annual period; and
 - (b) prepare and submit to the CEO, by no later than 30 April in each year, an Annual Audit Compliance Report in the approved form.

Note: The AACR form is available from the DWER website

- 15.** The licence holder must implement a complaints management system that as a minimum records the number and details of complaints received concerning the environmental impact of the activities undertaken at the premises and any action taken in response to the complaint.
- (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 licence holder to investigate or respond to any complaint.
- 16.** The licence holder must maintain accurate and auditable books including the following records, information, reports and data required by this licence:
- (a) the calculation of fees payable in respect of this licence;
 - (b) the maintenance of infrastructure required to ensure that it is kept in good working order in accordance with condition 1;
 - (c) monitoring undertaken in accordance with conditions 4,5,6,7,8 and 9; and
 - (d) complaints received under condition 15.
- 17.** The books specified under condition 16 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 licence holder for the duration of the licence; and
 - (d) be available to be produced to an inspector or the CEO as required.
- 18.** The Licensee must prepare an Environmental Report that provides information in accordance with Table 4 for the preceding two annual periods and submit that Environmental Report to the CEO by 30 April 2022 and biennially thereafter.

Table 4: Environmental Report

Condition or table (if relevant)	Parameter	Format or form ¹
-	Summary of any failure or malfunction of any pollution control equipment and any environmental incidents that have occurred during the annual period and any action taken	None specified
Table 3	Monitoring of emissions to land	None specified
5	Monthly volume of treated wastewater being discharged from each WWTP	

Condition or table (if relevant)	Parameter	Format or form ¹
10 and 11	Map depicting historical / closed and active landfills within the prescribed premise boundary.	Map and shapefile
0	Compliance	Annual Audit Compliance Report (AACR)
15	Complaint's summary	None specified

Definitions

In this Licence, the terms in Table 1 have the meanings defined.

Table 5: Definitions

Term	Definition
Annual Audit Compliance Report (AACR)	means a report submitted in a format approved by the CEO (relevant guidelines and templates are available on the Department's website).
ACN	Australian Company Number
AER	Annual Environment Report
Amendment Notice	refers to this document
Annual period	means a 12 month period commencing from 1 January until 31 December in the same year.
AS 5667.10.1998	means the Australian Standard AS5667.10:1998 <i>Water quality - Sampling - Guidance on sampling of wastewaters</i> .
AS 1940:2004	Australian Standard for the storage and handling of flammable and combustible liquids
books	has the same meaning given to that term under the EP Act.
Category/ Categories/ Cat.	categories of Prescribed Premises as set out in Schedule 1 of the EP Regulations
CEO	means Chief Executive Officer of the department. "submit to / notify the CEO" (or similar), means either: Director General Department administering the <i>Environmental Protection Act 1986</i> Locked Bag 10 Joondalup DC WA 6919 or: info@dwer.wa.gov.au
cfu/100mL	means colony forming units per 100 millilitres
CS Act	<i>Contaminated Sites Act 2003</i> (WA)
Clean Fill	has the meaning defined in Landfill Definitions;
Delegated Officer	an officer under section 20 of the EP Act
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
DWER	Department of Water and Environmental Regulation
EP Act	<i>Environmental Protection Act 1986</i> (WA)
EP Regulations	<i>Environmental Protection Regulations 1987</i> (WA)
Existing Licence	The Licence issued under Part V, Division 3 of the EP Act and in force prior to the commencement of and during this Review

Term	Definition
emission	has the same meaning given to that term under the EP Act.
Inert Waste Type 1	has the meaning defined in Landfill Definitions;
Inert Waste Type 2	has the meaning defined in Landfill Definitions;
Landfill Definitions	means the document titled “Landfill Waste Classification and Waste Definitions 1996” published by the Chief Executive Officer of the Department of Environment and Conservation as amended from time to time;
licence	refers to this document, which evidences the grant of a licence by the CEO under section 57 of the EP Act, subject to the specified conditions contained within.
licence holder	refers to the occupier of the premises, being the person specified on the front of the licence as the person to whom this licence has been granted.
m³	cubic metres
mbgl	metres below ground level
Minister	the Minister responsible for the EP Act and associated regulations
MS	Ministerial Statement
NATA	means National Association of Testing Authorities, Australia;
Occupier	has the same meaning given to that term under the EP Act.
PEC	Priority Ecological Community
Prescribed Premises	has the same meaning given to that term under the EP Act.
premises	refers to the premises to which this licence applies, as specified at the front of this licence and as shown on the premises map in Schedule 1 to this licence.
Putrescible Waste	has the meaning defined in Landfill Definitions;
Quarterly	means the 4 inclusive periods from 1 January to 31 March, 1 April to 30 June, 1 July to 30 September and 1 October to 31 December in the same year;
Risk Event	as described in <i>Guidance Statement: Risk Assessment</i>
RIWI Act	<i>Rights in Water and Irrigation Act 1914</i>
Special Waste Type 1	has the meaning defined in Landfill Definitions;
Special Waste Type 2	has the meaning defined in Landfill Definitions; and
Tipping area	means the area of the premises where waste currently brought to the premises is being disposed
UDR	<i>Environmental Protection (Unauthorised Discharges) Regulations 2004 (WA)</i>
WWTP	wastewater treatment plant

Schedule 1: Maps

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

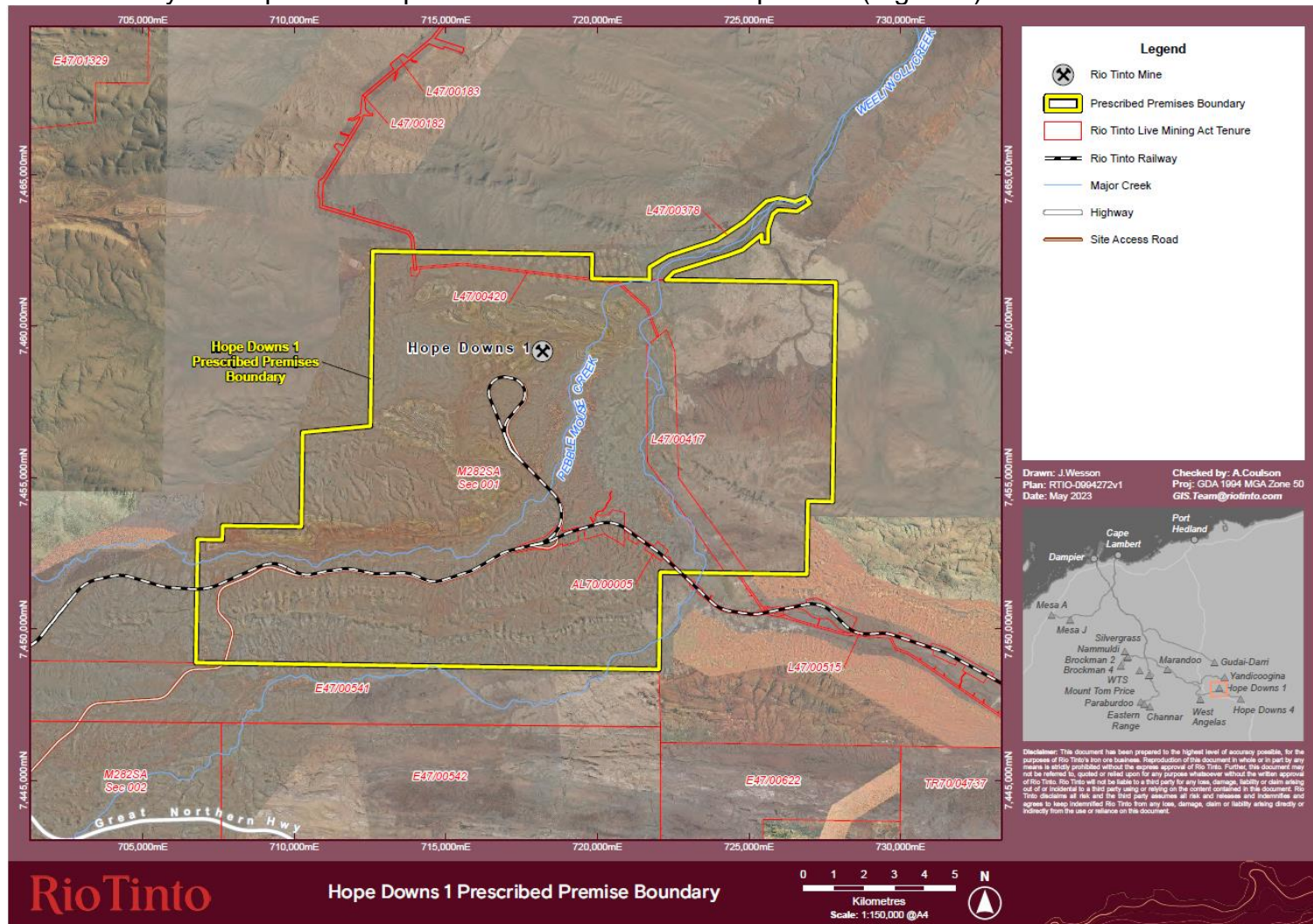


Figure 1: Map of the boundary of the prescribed premises

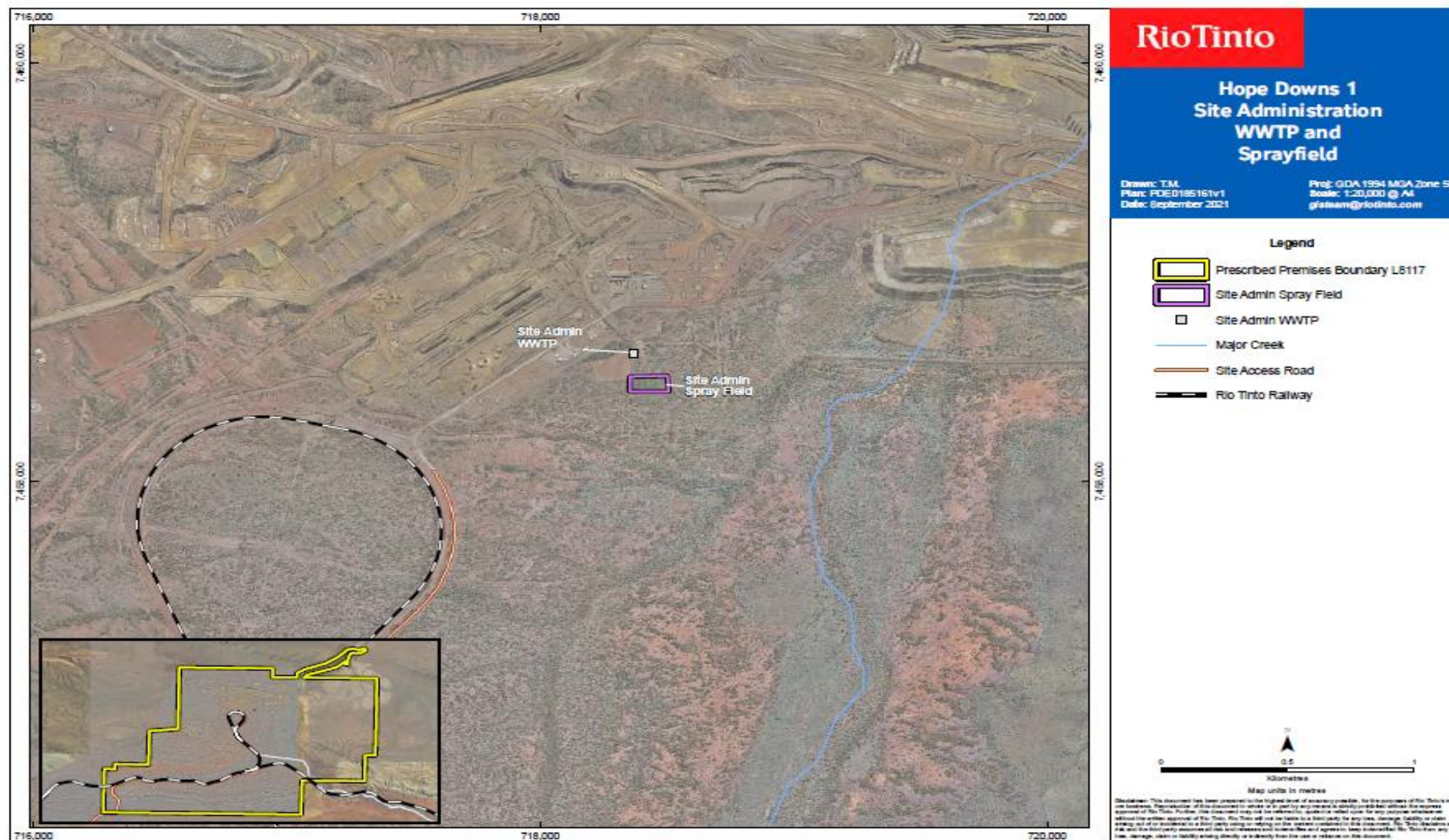


Figure 2: Hope Downs 1 Site Administration and WWTP Sprayfield

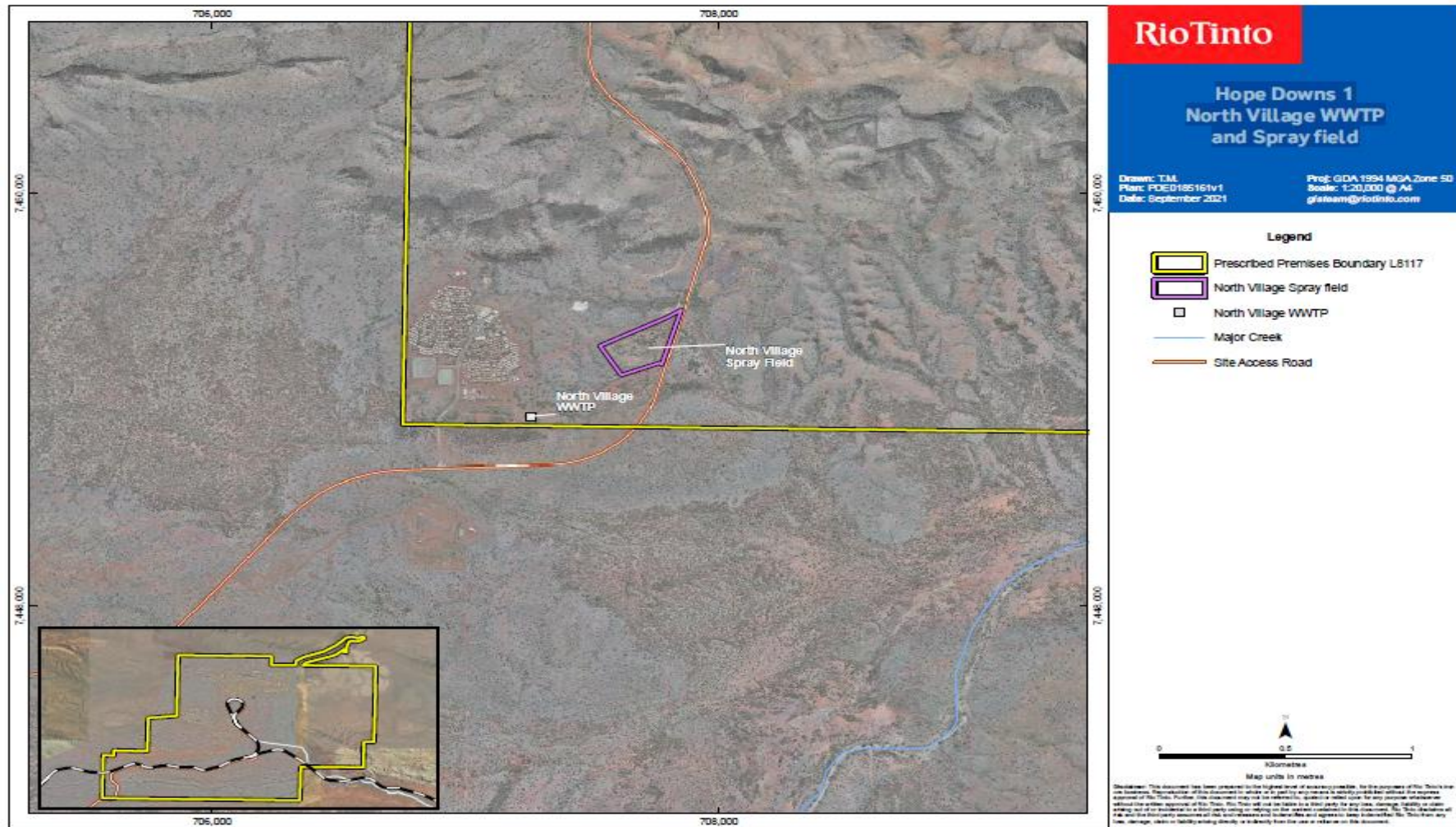


Figure 3: Hope Downs 1 North Village WWTP and Sprayfield

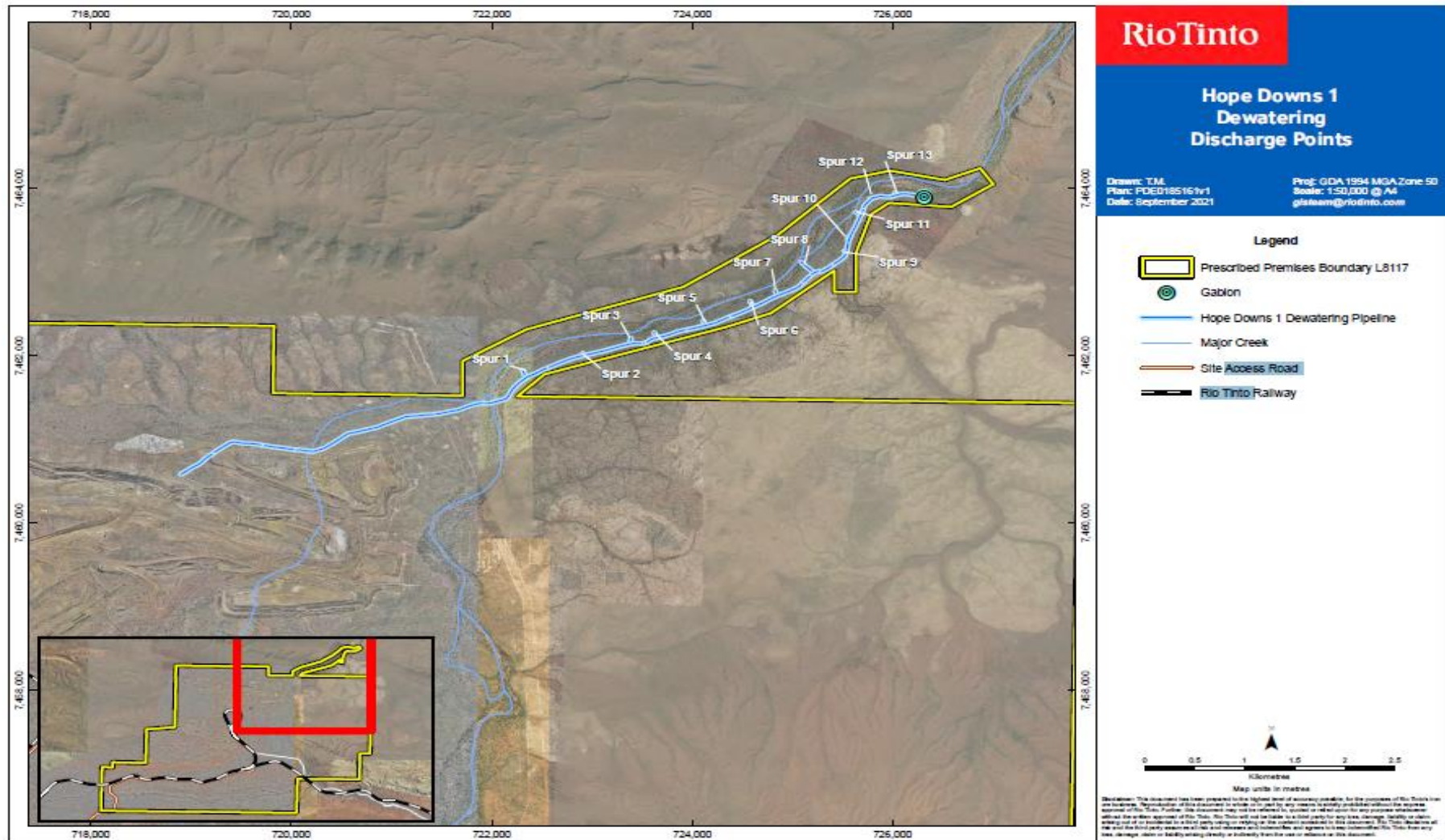


Figure 4: Hope Downs 1 Dewatering Discharge Points

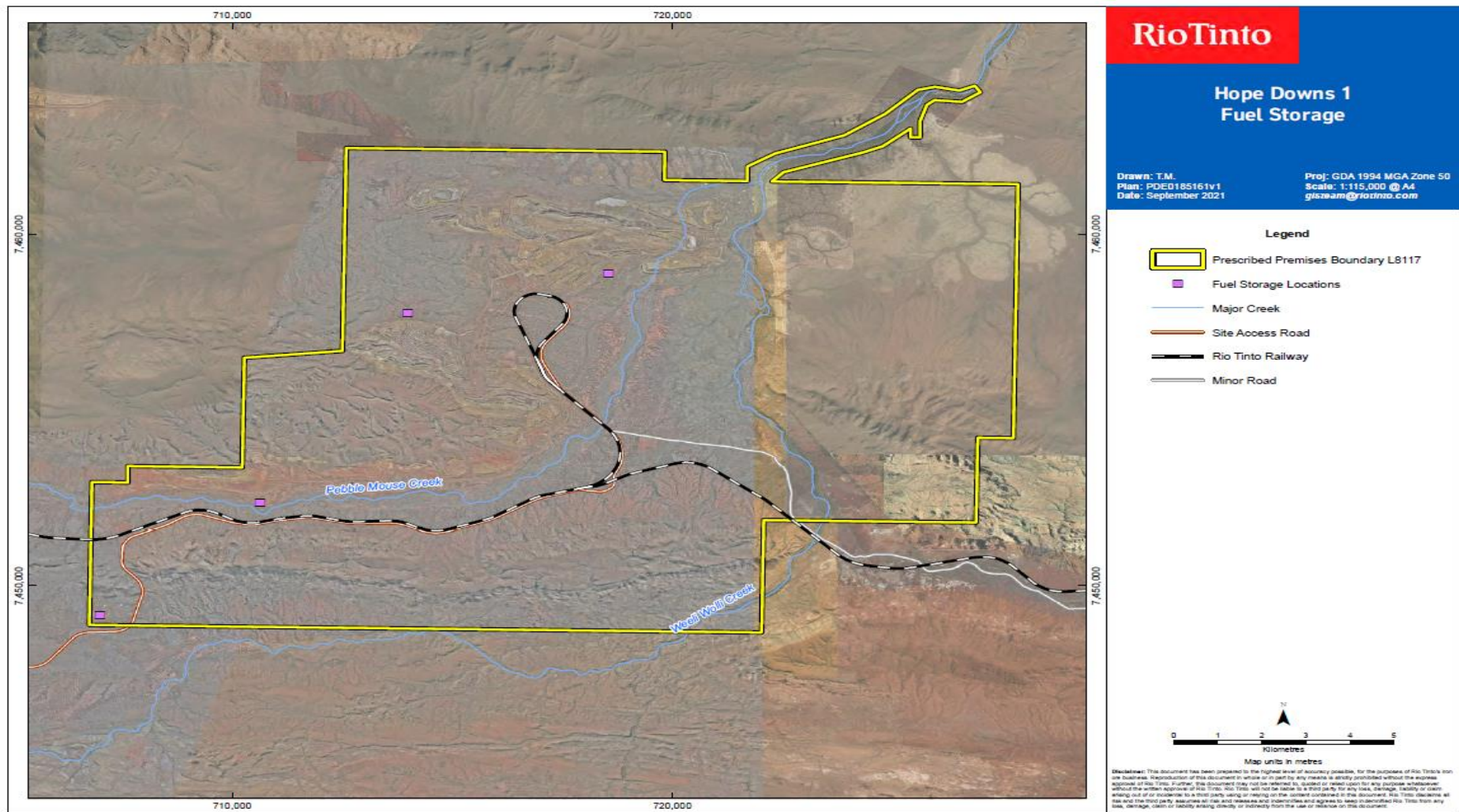


Figure 5: Hope Downs 1 Fuel Storage