



<b>Licence number</b>	L8667/2012/1
<b>Licence holder</b>	Yilgarn Iron Pty Ltd
<b>ACN (if applicable)</b>	626 035 078
<b>Registered business address</b>	1 Sleat Road, Applecross WA 6153
<b>DWER file number</b>	2012/005038-2~2
<b>Duration</b>	03/12/2012 to 09/12/2027
<b>Date of issue</b>	29/11/2012
<b>Date of amendment</b>	03/09/2020
<b>Premises details</b>	Windarling Range Mine Operations  Part Mining Lease M77/1001, M77/999, M77/1038, M77/1039, M77/1000, M77/1257, M77/1258, M77/1259 and L77/235  MOUNT JACKSON, 6426 as depicted in Schedule 1.

<b>Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)</b>	<b>Assessed production / design capacity</b>
Category 6: Mine dewatering: premises on which water is extracted and discharged into the environment to allow mining of ore	3,420,000 tonnes per year
Category 12: Screening etc. of material: premises (other than premises within category 5 or 8) on which material extracted from the ground is screened, washed, crushed, ground, milled, sized or separated.	500,000 tonnes per year
Category 54: Sewerage facility: premises – (a) on which sewage is treated (excluding septic tanks); or (b) from which treated sewage is discharged onto land or into waters.	210 cubic metres per day
Category 64: Class I or II putrescible landfill site: premises on which waste (as determined by reference to the waste type set out in the document entitled “Landfill Waste Classification and Waste Definitions 1996” published by the Chief Executive Officer and as amended from time to time) is accepted for burial.	500 tonnes per year

This licence is granted to the licence holder, subject to the attached conditions, on 3 September 2020, by:

**Lauren Fox**

**A/MANAGER – RESOURCE INDUSTRIES**

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

## Licence history

Date	Reference number	Summary of changes
11/04/2005	R1750/2005/1	Registration for the operation of category 85 sewage facility
03/05/2012	W5141/2012/1	Works approval to construct/upgrade plant
29/11/2012	L8667/2012/1	New application for licence of sewage facility.
03/01/2013	L8667/2012/1	Licence amendment for operation of new crushing and screening plant
15/01/2015	L8667/2012/1	Licence amendment to allow dewatering operations
21/05/2015	L8667/2012/1	Licence amendment to allow burial of tyres in the landfill areas.
28/01/2016	L8667/2012/1	Licence amendment to expand dewatering (W7 Pit) and landfilling operations
29/04/2016	L8667/2012/1	Licence amendment to extend licence expiry date to 9 December 2027.
5/01/2017	L8667/2012/1	Amendment notice 1: to authorise the dewatering of W10 Pit to W2 Pit
05/08/2019	L8667/2012/1	Amendment notice 2: to allow extension of Windarling Range operations to include Deception deposit dewatering and landfill activities.
03/09/2020	L8667/2012/1	<p>Licence amendment to add Claw and Altair pits to the licence for dewatering. Installation of a water transfer pipeline between Deception Turkey's nest and Windarling W2 and inclusion of W3 as a secondary emission point for water storage.</p> <p>Administrative amendment to consolidate/amalgamate separately issued licence amendment notices in the licence.</p>

## Interpretation

In this licence:

- the words 'including', 'includes' and 'include' in conditions mean "including but not limited to", and similar, as appropriate;
- 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;
- where tables are used in a condition, each row in a table constitutes a separate condition;
- 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; and
- (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.

## Contents

<b>Licence history .....</b>	<b>2</b>
<b>Interpretation .....</b>	<b>2</b>
<b>Introduction .....</b>	<b>3</b>
<b>Licence conditions.....</b>	<b>6</b>
<b>Schedule 1: Maps .....</b>	<b>17</b>
<b>Schedule 2: Forms .....</b>	<b>23</b>

## Introduction

This Introduction is not part of the Licence conditions.

### DWER's industry licensing role

The Department of Water and Environmental Regulation (DWER) is a government department for the state of Western Australia in the portfolio of the Minister for Environment. DWER's purpose is to advise on and implement strategies for a healthy environment for the benefit of all current and future Western Australians.

DWER has responsibilities under Part V of the *Environmental Protection Act 1986* (the Act) for the licensing of prescribed premises. Through this process DWER works with the business owners, community, consultants, industry and other representatives to prevent, control and abate pollution and environmental harm to conserve and protect the environment. DWER also monitors and audits compliance with works approvals and licence conditions, takes enforcement action as appropriate and develops and implements licensing and industry regulation policy.

### Licence requirements

This Licence is issued under Part V of the Act. Conditions contained within the Licence relate to the prevention, reduction or control of emissions and discharges to the environment and to the monitoring and reporting of them.

Where other statutory instruments impose obligations on the Premises/Licence Holder the intention is not to replicate them in the Licence conditions. You should therefore ensure that you are aware of all your statutory obligations under the Act and any other statutory instrument. Legislation can be accessed through the State Law Publisher website using the following link: <https://www.legislation.wa.gov.au/legislation/statutes.nsf/default.html>

For your Premises relevant statutory instruments include but are not limited to obligations under the:

- *Environmental Protection (Unauthorised Discharges) Regulations 2004* – these Regulations make it an offence to discharge certain materials such as contaminated stormwater into the environment other than in the circumstances set out in the Regulations.
- *Environmental Protection (Controlled Waste) Regulations 2004* - these Regulations place obligations on you if you produce, accept, transport or dispose of controlled waste.
- *Environmental Protection (Noise) Regulations 1997* – these Regulations require noise emissions from the Premises to comply with the assigned noise levels set out in the Regulations.

You must comply with your Licence. Non-compliance with your Licence is an offence and strict penalties exist for those who do not comply.

Licence holders are also reminded of the requirements of section 53 of the Act which places restrictions on making certain changes to prescribed premises unless the changes are in accordance with a works approval, licence, closure notice or environmental protection notice.

### Licence fees

If you have a licence that is issued for more than one year, you are required to pay an annual licence fee prior to the anniversary date of issue of your licence. Non payment of annual licence fees will result in your licence ceasing to have effect meaning that it will no longer be valid and you will need to apply for a new licence for your Premises.

### Ministerial conditions

If your Premises has been assessed under Part IV of the Act you may have had conditions imposed by the Minister for Environment. You are required to comply with any conditions imposed by the Minister.

### Premises description and licence summary

This Licence allows for the operation of dewatering infrastructure, a wastewater treatment facility (WWTF) and landfilling into disused mine voids at Yilgarn Iron Pty Ltd (Yilgarn Iron) Windarling Range Mine Operations (Windarling). Mined ore is taken to the Koolyanobbing Range Mine Operations for processing with no ore being processed at Windarling.

The original WWTF was constructed in 2004 and has been operating in accordance with Registration 1750 under Category 85 of the *Environmental Protection Regulations 1987* being for a treatment capacity of less than 100 cubic metres per day (m<sup>3</sup>/day). The upgrade to the WWTF resulted in an increased throughput capacity to 210m<sup>3</sup>/day.

Treated wastewater from the WWTF is discharged via a pipeline to a lined turkey's nest dam where it mixes with saline groundwater abstracted from the mining operation, with overflow from this turkeys nest discharging to a larger unlined storage dam. The water is then used for dust suppression throughout the area of mine operations. As a contingency measure an existing 1.1ha irrigation field will be used as a discharge location to dispose of treated wastewater in the event that discharge to the water storage dam is not available (e.g. maintenance, capacity reached).

A licence amendment was issued in January 2015 to allow the dewatering of open pits W1 and W3 with a final discharge to W2 Pit. The maximum dewatering rate from Windarling following the latest amendment was conservatively predicted to be 2.72 gegalitres (GL) per annum. The previous Licence Holder (Cliffs) was approved to develop the Windarling Range W7 Deposit, with the additional groundwater dewatering estimated at 0.7 GL/year over a 3-year period to W2 Pit. W10 Pit will also be developed although it is anticipated that resource

extraction will occur above groundwater and not require dewatering. This Licence amendment allows the discharge of dewater from W10 Pit to W2 Pit should the current Licence Holder (Yilgarn Iron) decide to mine below the water table. On 29 September 2016 the Environmental Protection Authority authorised the development of W10 Pit.

This licence amendment (July 2020) includes addition of two new mine pits, the Claw and Altair pits for dewatering (source points) and installation of dewatering infrastructure between Deception Turkey's nest and Windarling W2 water storage pit. Two way transfer of water between W2 and W3 pits has also approved, including use of the W3 pit as a secondary emission point for water storage.

DWER has considered whether the risk profile of emissions and discharges from the premises has significantly changed since the previous licence was granted. No significant changes have occurred and therefore DWER has not amended conditions relating to emissions and discharges.

### **Severance**

It is the intent of these Licence conditions that they shall operate so that, if a condition or a part of a condition is beyond the power of this Licence to impose, or is otherwise *ultra vires* or invalid, that condition or part of a condition shall be severed and the remainder of these conditions shall nevertheless be valid to the extent that they are within the power of this Licence to impose and are not otherwise *ultra vires* or invalid.

## **END OF INTRODUCTION**

# Licence conditions

## 1. General

### 1.1 Interpretation

1.1.1 In the Licence, definitions from the *Environmental Protection Act 1986* apply unless the contrary intention appears.

1.1.2 In the Licence, unless the contrary intention appears:

**‘the Act’** means the *Environmental Protection Act 1986*;

**‘annual’** means the inclusive period from 1 January to 31 December;

**‘AS/NZS 5667.1’** means the Australian Standard AS/NZS 5667.1 *Water Quality – Sampling – Guidance of the Design of sampling programs, sampling techniques and the preservation and handling of samples*;

**‘AS/NZS 5667.10’** means the Australian Standard AS/NZS 5667.10 *Water Quality – Sampling – Guidance on sampling of waste waters*;

**‘averaging period’** means the time over which a limit is measured or a monitoring result is obtained

**‘CEO’** for the purpose of correspondence means;

Chief Executive Officer  
Department Administering the *Environmental Protection Act 1986*  
Locked Bag 10  
JOONDALUP DC WA 6027  
Telephone: (08) 6367 7000  
Facsimile: (08) 6367 7001  
Email: info@dwer.wa.gov.au;

**‘clean fill’** has the meaning defined in Landfill Definitions;

**‘hardstand’** means a surface with a permeability of  $10^{-9}$  metres/second or less;

**‘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 as amended from time to time.

**‘Licence’** means this Licence numbered L8667/2012/1 and issued under the *Environmental Protection Act 1986*;

**‘Licence Holder’** means the person or organisation named as Licence Holder on page 1 of the Licence;

**‘NATA’** means the National Association of Testing Authorities, Australia;

**‘NATA accredited’** means in relation to the analysis of a sample that the laboratory is NATA accredited for the specified analysis at the time of the analysis;

**‘Premises’** means the area defined in the Premises Map in Schedule 1 and listed as the Premises address on page 1 of the Licence;

**‘putrescible waste’** has the meaning defined in Landfill Definitions;

**‘quarantined storage area or container’** means a hardstand storage area or sealed-bottom container that is separate and isolated from authorised waste disposal areas and is

capable of containing all non-conforming waste and its constituents, these areas must be clearly marked and their access restricted to authorised personnel;

**‘rehabilitation’** means the completion of the engineering of a landfill cell and includes capping and/or final cover;

**‘Schedule 1’** means Schedule 1 of this licence unless otherwise stated;

**‘usual working day’** means 0800 – 1700 hours, Monday to Friday excluding public holidays in Western Australia;

**‘waste’** has the meaning defined in the *Environmental Protection Act 1986*.

1.1.3 Any reference to an Australian or other standard in the Licence means the relevant parts of the current version of that standard.

1.1.4 Any reference to a guideline or code of practice in the Licence means the version of that guideline or code of practice in force from time to time, and shall include any amendments or replacements to that guideline or code of practice made during the term of this Licence.

## 1.2 Premises operation

1.2.1 The Licence Holder shall only allow waste to be accepted on to the Premises if:

- (a) it is of a type listed in Table 1.2.1;
- (b) the quantity accepted is below any limit listed in Table 1.2.1; and
- (c) it meets any specification listed in Table 1.2.1

Table 1.2.1: Waste acceptance		
Waste	Quantity Limit	Specification <sup>1</sup>
Sewage and wastewater	210 m <sup>3</sup> per day	Accepted from the Licensee's Windarling mine operations only
Inert Waste Type 2 - Tyres	1,000 tyres per year	Accepted from Yilgarn Iron operations only
Inert Waste Type 1	500 tonnes per annual period	Waste containing visible asbestos or ACM shall not be accepted.
Inert Waste Type 2 - Plastics		
Putrescible Waste		
Clean fill	N/A	None specified

Note 1: Additional requirements for the acceptance of controlled waste (including asbestos and tyres) are set out in the *Environmental Protection (Controlled Waste) Regulations 2004*.

1.2.2 The Licence Holder shall ensure that where waste does not meet the waste acceptance criteria set out in condition 1.2.1 it is stored in a quarantined storage area or container and removed from the Premises to an appropriately authorised facility as soon as practicable.

1.2.3 The Licence Holder shall ensure that the wastes accepted onto the Premises or landfill are only subjected to the process(es) set out in Table 1.2.2 and in accordance with any process limits described in that table.



Table 1.2.2: Waste processing		
Waste type	Process	Process limits <sup>1,2</sup>
Sewage	Primary and Secondary treatment and disinfection	210 m <sup>3</sup> /day
Inert Waste Type 1	Receipt, handling, associated storage and disposal of waste by landfilling	<p><u>All waste types</u></p> <p>Disposal of waste by landfilling shall only take place within the landfill area shown on the Landfill Area Map in Schedule 1.</p> <p>The separation distance between the base of the landfill and the highest groundwater level shall not be less than 2m.</p> <p><u>Inert Waste Type 2 (tyres)</u></p> <p>The separation distance between the base of the landfill and the highest groundwater level shall not be less than 2m.</p> <p>Tyres shall only be landfilled:</p> <ul style="list-style-type: none"> <li>(a) in batches separated from each other by at least 100 mm of soil and each consisting of not more than 40 cubic metres of tyres reduced to pieces; or</li> <li>(b) in batches separated from each other by at least 100 mm of soil and each consisting of not more than 1,000 whole tyres.</li> </ul>
Putrescible Waste		
Inert Waste Type 2 - Tyres		
Clean fill	Receipt, handling, associated storage and disposal of waste by landfilling	None specified

Note 1: Requirements for landfilling tyres are set out in Part 6 of the *Environmental Protection Regulations 1987*.

Note 2: Additional requirements for the acceptance and landfilling of controlled waste (including asbestos and tyres) are set out in the *Environmental Protection (Controlled Waste) Regulations 2004*.



- 1.2.4 The Licence Holder shall ensure that cover is applied to waste in accordance with Table 1.2.3 and that sufficient stockpiles of cover are maintained on site at all times.

Table 1.2.3: Cover requirements			
Waste Type	Material	Depth	Timescales
Inert Waste Type 2 (tyres)	Inert Waste Type 1 or soil	100 mm	Monthly or as soon as practicable after deposit and prior to compaction

Note 1: Additional requirements for the covering of tyres are set out in Part 6 of the *Environmental Protection Regulations 1987*.

- 1.2.5 The Licence Holder shall ensure that sewage sludge is only stored and/or treated within vessels or compounds provided with the infrastructure detailed in Table 1.2.4.

Table 1.2.4: Containment infrastructure		
Storage vessel or compound	Material	Infrastructure requirements
Sludge drying bed	Sewage sludge	A bunded hardstand area capable of preventing surface run-off of leachate and sludge and which allows for its removal for disposal or return to the start of the treatment process.
Water storage dams	Saline mine dewater and treated wastewater	The Licensee shall manage water storage dams such that: <ul style="list-style-type: none"> <li>(a) a minimum top of embankment freeboard of 300mm or a 1 in 100 year/72 hour storm event (whichever is greater) is maintained; and,</li> <li>(b) methods of operation minimise the likelihood of erosion of the embankments by wave action.</li> </ul>

- 1.2.6 The Licence Holder shall ensure that the irrigation of treated wastewater meets the following:
- (a) no irrigation generated run-off, spray drift or discharge occurs beyond the boundary of the Premises;
  - (b) wastewater is evenly distributed over the irrigation area;
  - (c) wastewater is applied at a rate which avoids soil erosion and surface ponding; and
  - (d) a healthy vegetation cover is maintained over the wastewater irrigation areas.
- 1.2.7 The Licence Holder shall ensure that all pipelines containing environmentally hazardous materials are either:
- (a) equipped with telemetry systems and pressure sensors along pipelines to allow for the detection of leaks and failures; or
  - (b) equipped with automatic cut-outs in the event of a pipe failure; or
  - (c) provided with secondary containment sufficient to contain any spill for a period equal to the time between routine inspections.

- 1.2.8 The Licence Holder shall ensure that any saline dewatering effluent shall only be managed in the following manner:
- used for dust suppression in a manner that minimises damage to surrounding vegetation;
  - discharged to previously mined pits; or
  - discharged to evaporation dam(s) through authorised discharge point L3.
- 1.2.9 The Licence Holder shall:
- undertake inspections as detailed in Table 1.2.5;
  - where any inspection identifies that an appropriate level of environmental protection is not being maintained, take corrective action to mitigate adverse environmental consequences as soon as practicable; and
  - maintain a record of all inspections undertaken.

Table 1.2.5: Inspection of infrastructure		
Scope of inspection	Type of inspection	Frequency of inspection
Dewatering pipelines	Visual integrity	Daily

- 1.2.10 The Licence Holder shall undertake works in accordance with the documentation detailed in Table 1.2.6.

Table 1.2.6: Construction requirements <sup>1</sup>		
Document	Parts	Date of document
Letter “ <i>Environmental Protection Act 1986</i> (WA): Licence 8667 (Windarling) Amendment to Category 6 (Mine Dewatering) and Category 64 (Class II or III Putrescible Landfill Site)”, Neil Smith, Cliffs Asia Pacific Iron Ore Pty Ltd.	Attachment 1	5 August 2015

Note 1: Where the details and commitments of the documents listed in condition 1.2.10 are inconsistent with any other conditions of this Licence, the conditions of the Licence shall prevail.

- 1.2.11 The Licence Holder shall complete construction of the dewatering infrastructure in accordance with the documentation listed in Table 1.2.7 in the location depicted in Schedule 1 plan titled “Deception Deposit, Licence 8667, Category 6 Prescribed Activity locations” dated February 2019 and Attachment 2 plan as listed in the document titled “Windarling and Deception Mine Operations Licence L8667, Licence Amendment Supporting Information” dated June 2020.

Table 1.2.7: Construction requirements <sup>1</sup>		
Document	Parts	Date of Document
Application to amend the Windarling Range and Deception Deposit Project prescribed Premise Licence L8667/2012/1 plus supporting documentation.	All	20 February 2019
1. Two Production bores (DCW1P & DCW2P).	Attach 3A pg 79	20 February 2019
2. Pipeline constructed of HDPE PN16 pipe.	Attach 3A pg 80	20 February 2019
3. V-drain that includes sumps at regular intervals sufficient to contain any spill for a period equal to the time between routine inspections.	Attach 3A pg 80	20 February 2019
4. HDPE lined Turkeys nest storage dam (L3).	Attach 3A pg 80-81	20 February 2019
5. Clay lined dam(s) for water disposal via evaporation and infiltration.	Attach 8 Golder	25 August 2011

**Table 1.2.7: Construction requirements<sup>1</sup>**

Document	Parts	Date of Document
6. Claw and Altair pits dewatering infrastructure: a) pipelines fitted with leak detection system utilising telemetry to alert operational staff to leaks or failures. b) pipeline to be visually inspected daily. c) installation of a V-drain to contain accidental discharge.	Report  Mineral Resources pg 15 - 17	3 June 2020

Note 1: Where the details and commitments of the documents listed in condition 1.3.6 are inconsistent with any other condition of this licence, the conditions of this licence shall prevail.

- 1.2.12 The Licence Holder must ensure that dust suppression activities are conducted where dust emissions are likely to be deposited on vegetation, so as to not damage native vegetation.

## 2. Emissions

### 2.1 General

- 2.1.1 The Licence Holder shall record and investigate the exceedance of any descriptive or numerical limit specified in any part of section 2 of this Licence.

### 2.2 Point source emissions to groundwater

- 2.2.1 The Licence Holder is permitted, subject to conditions in the Licence, to emit waste to groundwater through the emissions points listed in Table 2.2.1.

**Table 2.2.1: Emission points to groundwater**

Emission point reference	Description	Source
W2	Mine dewater	W1, W3, W7, W10, Altair, Claw and Deception pits
L3	Mine dewater	Deception, Altair and Claw mine pit
W3	Mine dewater	W1, W2, W7, W10, Altair, Claw and Deception pits

### 2.3 Emissions to land

- 2.3.1 The Licence Holder is permitted, subject to conditions in the Licence, to emit waste to land through the emissions points listed in Table 2.3.1

**Table 2.3.1: Emission points to land**

Emission point reference	Description	Source
L1	Discharge to lined turkeys nest dam for use in dust suppression, with overflow to an unlined storage dam	Treated wastewater and mine dewater

Table 2.3.1: Emission points to land		
Emission point reference	Description	Source
L2	Discharge to irrigation area (as depicted in Schedule 1)	Treated wastewater
L3	Dewater discharge to HDPE lined storage dam for use in dust suppression, with overflow to an unlined evaporation dam.	Deception deposit mine dewater

2.3.2 The Licence Holder shall not cause or allow emissions to land greater than the limits listed in Table 2.3.2.

Table 2.3.2: Emission limits to land			
Emission point reference	Parameter <sup>1</sup>	Limit	Averaging period
L2	Total Nitrogen loading	420 kg/ha	Annual
	Total Phosphorous loading	120 kg/ha	

Note 1: Effluent is to be sampled from the single monitoring point M2

### 3. Monitoring

#### 3.1 General monitoring

3.1.1 The Licence Holder shall ensure that:

- (a) all water samples are collected in accordance with AS/NZS 5667.1;
- (b) all wastewater samples are collected in accordance with AS/NZS 5667.10;
- (c) all samples are submitted to a laboratory with current NATA accreditation for the parameters to be measured.

3.1.2 The Licence Holder shall ensure that :

- (a) monthly monitoring is undertaken at least 15 days apart; and
- (b) quarterly monitoring is undertaken at least 45 days apart.

#### 3.2 Monitoring of point source emissions to groundwater

3.2.1 The Licence Holder shall undertake the monitoring in Table 3.2.1 according to the specifications in that table.

Table 3.2.1: Monitoring of emissions to groundwater				
Monitoring point reference	Parameter	Limit	Units	Frequency
W2 and W3	Freeboard	4	m below crest level	Monthly
	Volumetric flow	N/A	kL	
	pH <sup>1</sup>	N/A	N/A	Quarterly

**Table 3.2.1: Monitoring of emissions to groundwater**

Monitoring point reference	Parameter	Limit	Units	Frequency
	Total Dissolved Solids <sup>1</sup>	N/A	mg/L	

Note 1: pH and TDS is permitted to be measured in the field in accordance with Australian Standard 5667.

- 3.2.2 The Licence Holder shall, upon becoming aware that groundwater levels in W2 or W3 pits are shallower than 10 m below crest level, design and implement a Groundwater Recovery Plan.
- 3.2.3 The Groundwater Recovery Plan required by condition 3.2.2 shall include, but is not limited to:
- Notification to the CEO of when the freeboard exceeded 10 m below crest level;
  - Any significant environmental impacts observed;
  - Strategies to lower groundwater levels to below 10 m below crest level, including:
    - increasing the frequency of groundwater level monitoring;
    - alternative dewater discharge options; and
    - reducing the rate of dewater discharge to W2 and W3 Pit;
  - Predicted timeframes to lower groundwater levels to below 10 m below crest level; and
  - Strategies to ensure standing water levels remain below 10 m below crest level in the future.

### 3.3 Monitoring of emissions to land

- 3.3.1 The Licence Holder shall undertake the monitoring in Table 3.3.1 according to the specifications in that table.

**Table 3.3.1: Monitoring of emissions to land**

Monitoring point reference	Parameter	Units	Frequency
M1 and M2 <sup>1</sup>	Volume discharged to L1 and L2	m <sup>3</sup>	Continuous
	Total Suspended Solids	mg/L	Quarterly
	Total Nitrogen	mg/L	
	Total Phosphorus	mg/L	
	pH <sup>2</sup>	N/A	
	<i>E. coli</i>	cfu/100ml	

Note 1: M2 is located at the final effluent storage tank at the wastewater treatment plant

Note 2: pH is permitted to be measured in the field in accordance with Australian Standard 5667.

### 3.4 Monitoring of inputs and outputs

- 3.4.1 The Licence Holder shall undertake the monitoring in Table 3.4.1 according to the specifications in that table.

**Table 3.4.1: Monitoring of inputs and outputs**

Input/Output	Parameter	Units	Averaging period	Frequency
Sewage - Inlet Flow	Volumetric flow rate (cumulative)	m <sup>3</sup> /day	Monthly	Continuous
Waste Inputs	Inert Waste Type 2 (tyres)	Number of tyres	Annual	Each load arriving at the Premises
	Inert Waste Type 1 Inert Waste Type 2 (plastics) Putrescible Waste	m <sup>3</sup> (where no weighbridge is present)		
Waste Outputs	Waste type as defined in the Landfill Definitions			Each load leaving or rejected from the Premises

## 4. Information

### 4.1 Records

4.1.1 All information and records required by the Licence shall:

- (a) be legible;
- (b) if amended, be amended in such a way that the original and subsequent amendments remain legible or are capable of retrieval;
- (c) except for records listed in 4.1.1(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 groundwater.

4.1.2 The Licence Holder shall ensure that:

- (a) any person left in charge of the Premises is aware of the conditions of the Licence and has access at all times to the Licence or copies thereof; and
- (b) any person who performs tasks on the Premises is informed of all of the conditions of the Licence that relate to the tasks which that person is performing.

4.1.3 The Licence Holder shall complete an Annual Audit Compliance Report indicating the extent to which the Licensee has complied with the conditions of the Licence, and any previous licence issued under Part V of the Act for the Premises for the previous year.

4.1.4 The Licence Holder shall 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.

### 4.2 Reporting

- 4.2.1 The Licence Holder shall submit to the Director at the Contact Address an annual environmental report no later than 30 April. The report shall contain the information listed in Table 4.2.1 in the format or form specified in that table.

Table 4.2.1: Annual environmental report		
Condition or table (if relevant)	Parameter	Format or form <sup>1</sup>
4.1.3	Compliance	AACR
Tables 2.3.2 and 3.2.1	Limit exceedances	None specified
3.2.2	Standing water level exceedances	
Table 3.3.1	Monitoring of discharges to land	
Table 3.4.1	Monitoring of inputs and outputs	

Note 1: Forms are in Schedule 2. The AACR form can be found online at [www.der.wa.gov.au](http://www.der.wa.gov.au).

- 4.2.2 The annual environmental report shall also contain:
- (a) an assessment of the information contained within the report against previous monitoring results and Licence limits;
  - (b) any annual nutrient load calculations; and
  - (c) any original monitoring reports submitted to the Licensee from third parties.
- 4.2.3 The Licence Holder shall submit a compliance document to the CEO, following completion of the works under condition 1.2.10 and prior to commissioning of the same.
- 4.2.4 The compliance document shall:
- (a) certify that the works were constructed in accordance with the conditions of the Licence; and
  - (b) be signed by a person authorised to represent the Licence Holder and contain the printed name and position of that person within the company.
- 4.2.5 The Licence Holder must within 30 days of each item of infrastructure required by condition 1.2.11 and table 1.2.7 being constructed:
- (a) undertake an audit of their compliance with the requirements of condition 1.2.11; and
  - (b) prepare and submit to the CEO an audit report of that compliance.
- 4.2.6 The audit report required by condition 4.2.5, must:
- (a) be certified by a qualified engineer that each item of infrastructure listed in Table 1.2.7 meets the corresponding specifications and at the locations set out in Table 1.2.7 and has been constructed with no material defects;
  - (b) contain an 'as constructed plan' for the works that show the infrastructure;
  - (c) be signed by a person authorised to represent the licence holder and contains the printed name and position of that person within the company; and
  - (d) include a commissioning report demonstrating that the infrastructure operates as designed.



### 4.3 Notification

4.3.1 Parameters listed in Table 4.5.2 shall be notified to the CEO at the Contact Address and in accordance with the notification requirements of the table.

Table 4.3.1: Notification requirements			
Condition or table (if relevant)	Parameter	Notification requirement <sup>1</sup>	Format or form <sup>2</sup>
2.1.1 & 2.6.2	Breach of any limit specified in the Licence	Part A: As soon as practicable but no later than 5PM of the next usual working day.	N1
1.2.2	Any failure or malfunction of any pollution control equipment or any incident which has caused, is causing or may cause pollution	Part B: As soon as practicable	
3.2.2	Standing water levels rising higher than 10 m below the pit crest	Within 7 calendar days of becoming aware of the exceedance	None specified

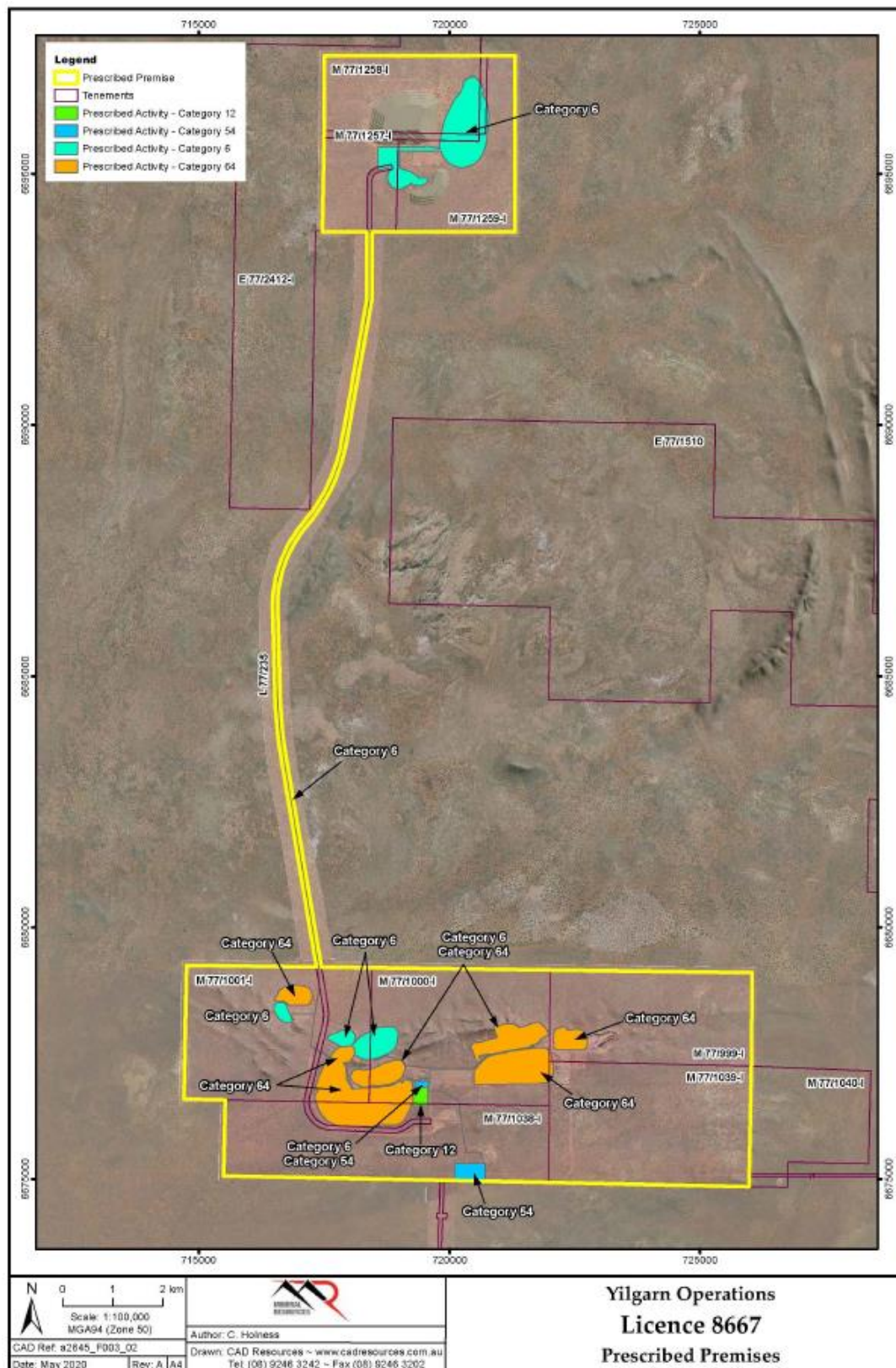
Note 1: No notification requirement in the Licence shall negate the requirement to comply with s72 of the Act.

Note 2: Forms are in Schedule 2

## Schedule 1: Maps

### Premises map

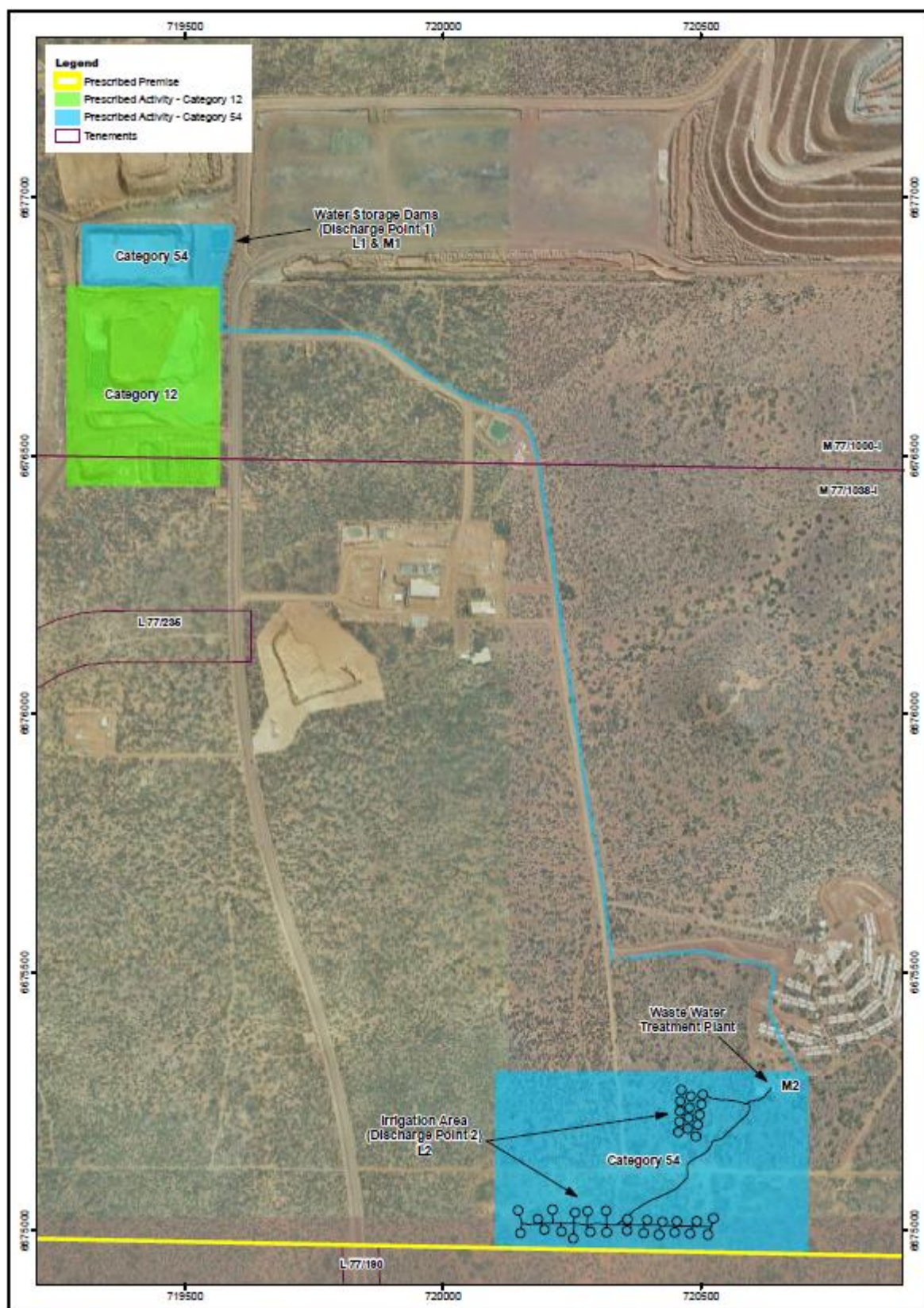
Yilgarn Operations Licence 8667 Prescribed Premises depicted by the yellow boundary.





## Map of emission points

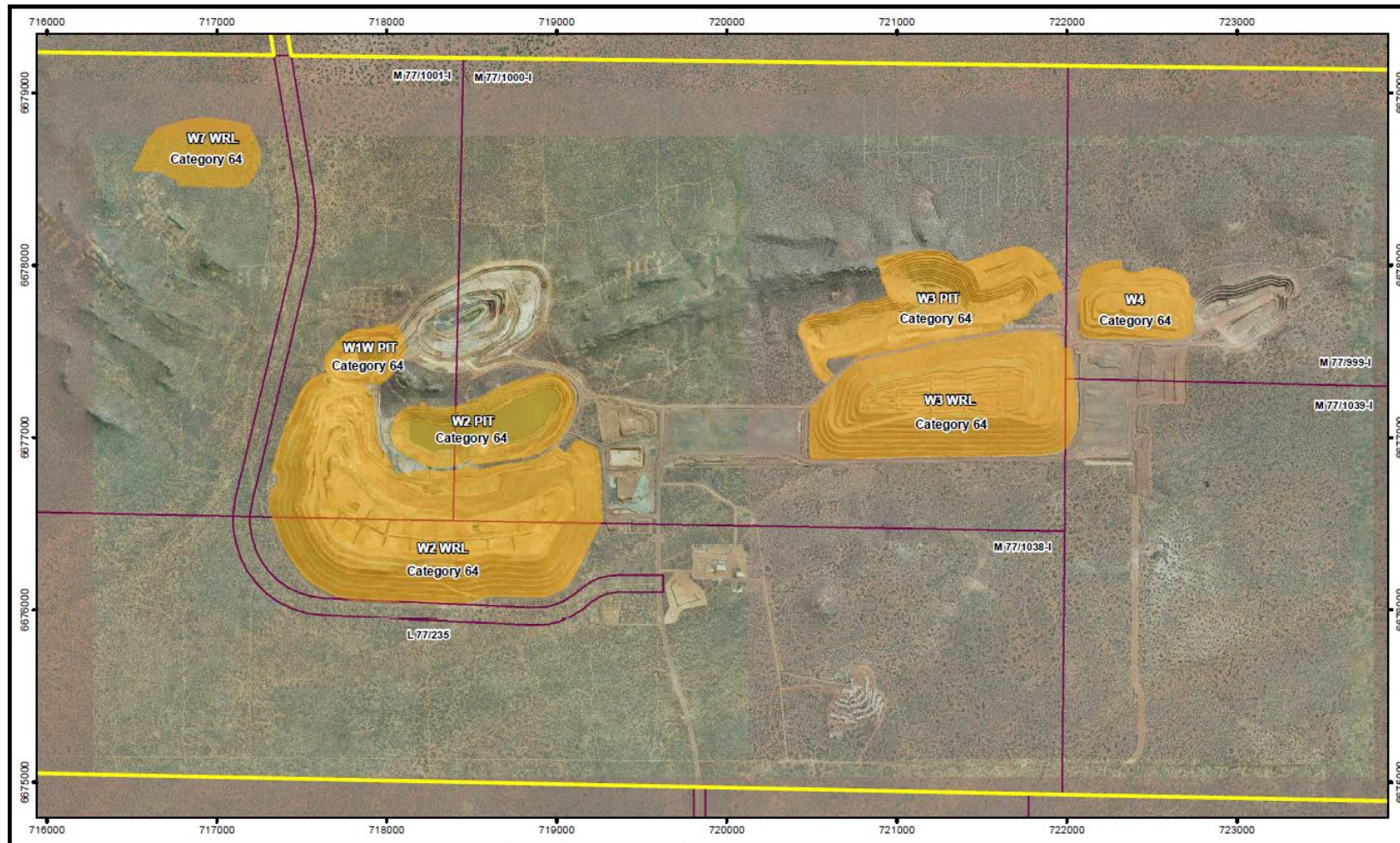
The locations of the emission points defined in Tables 2.3.1, 2.3.2 and 3.3.1 are shown below.





## Landfill Area Map

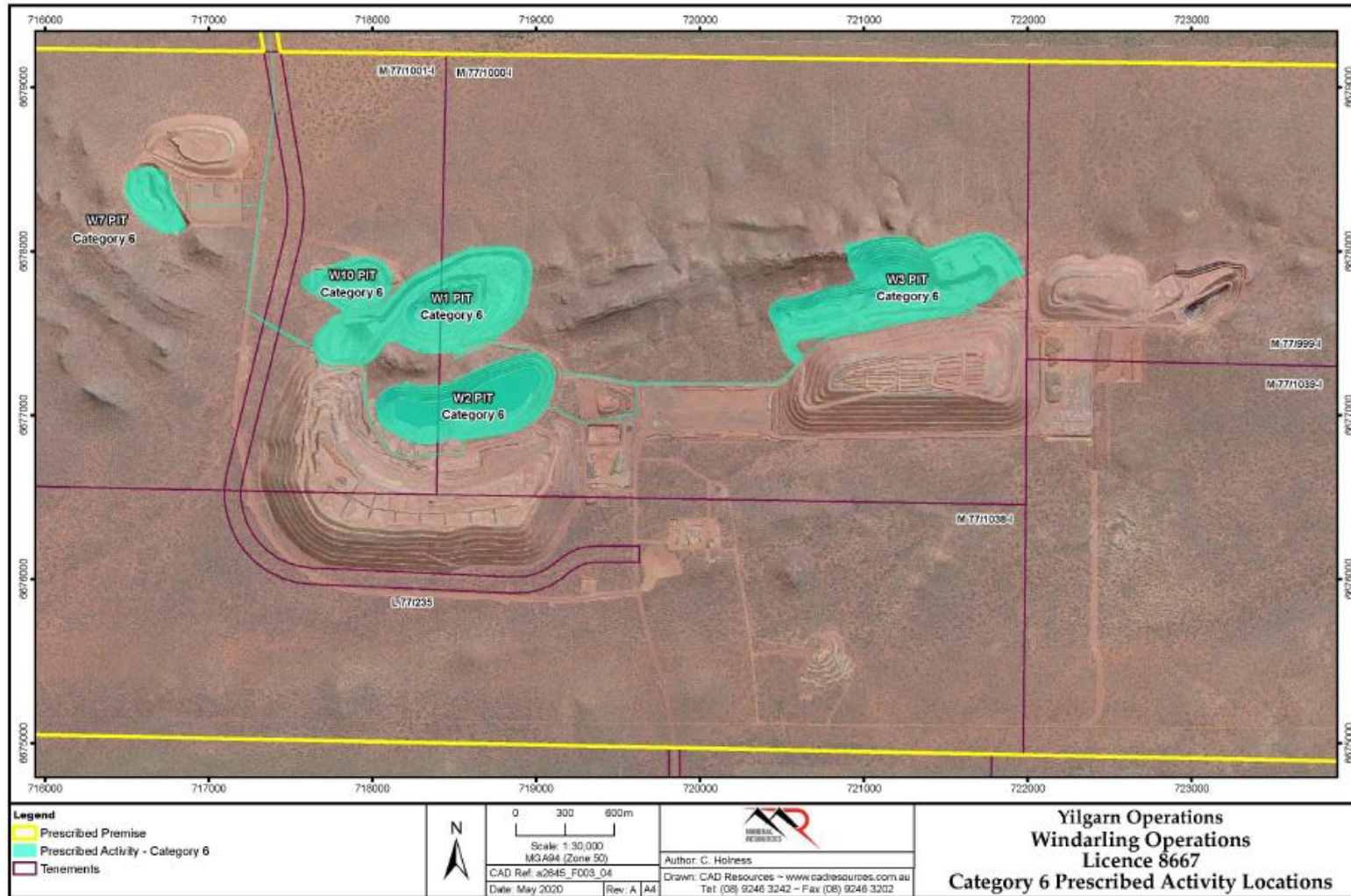
Category 64 activities are shaded in yellow below.





## Category 6 Activities

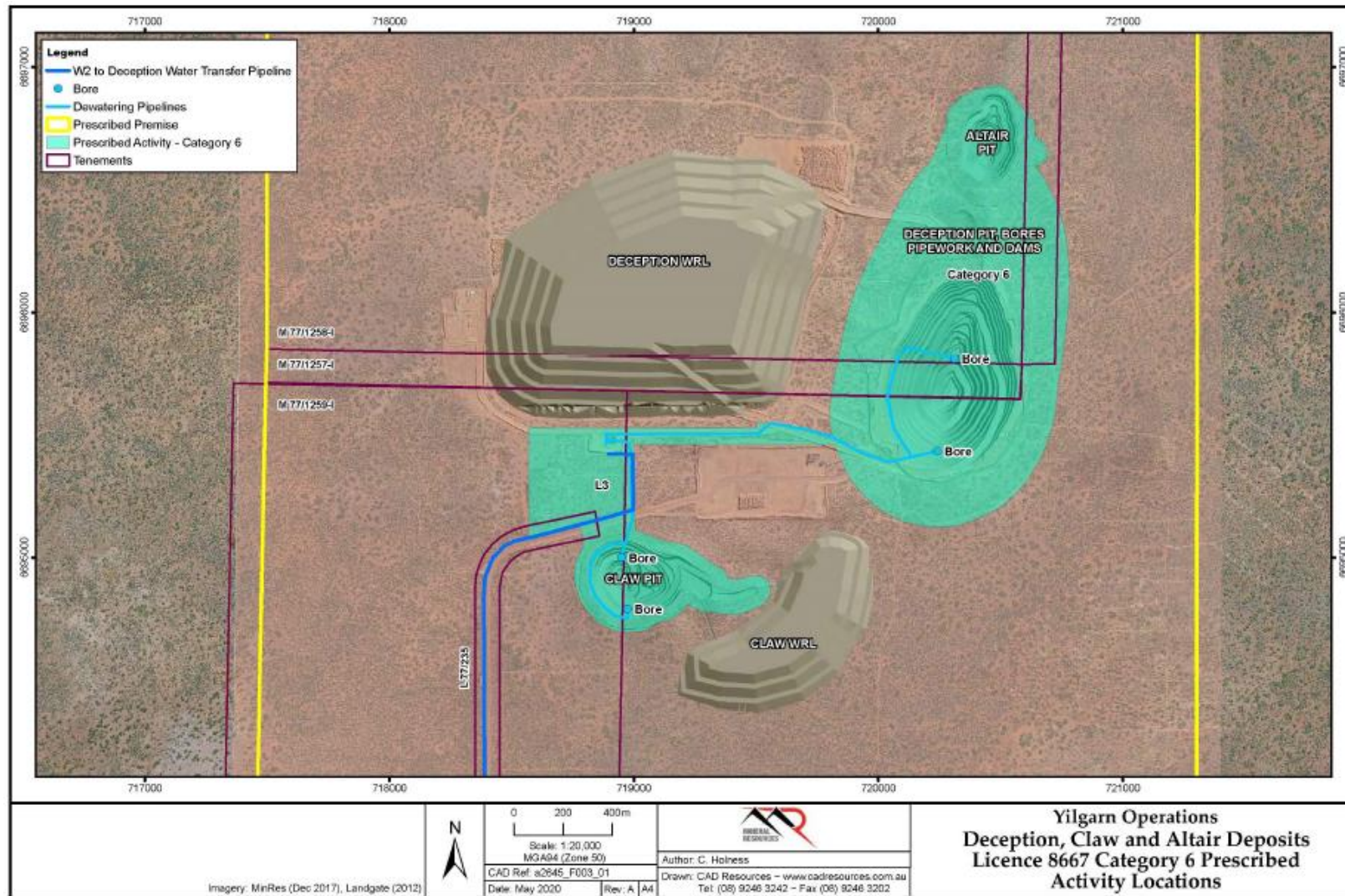
Map 1 of 3



L8667/2012/1 3 September 2020

IR-T06 Licence template (v7.0) (February 2020)

Map 2 of 3

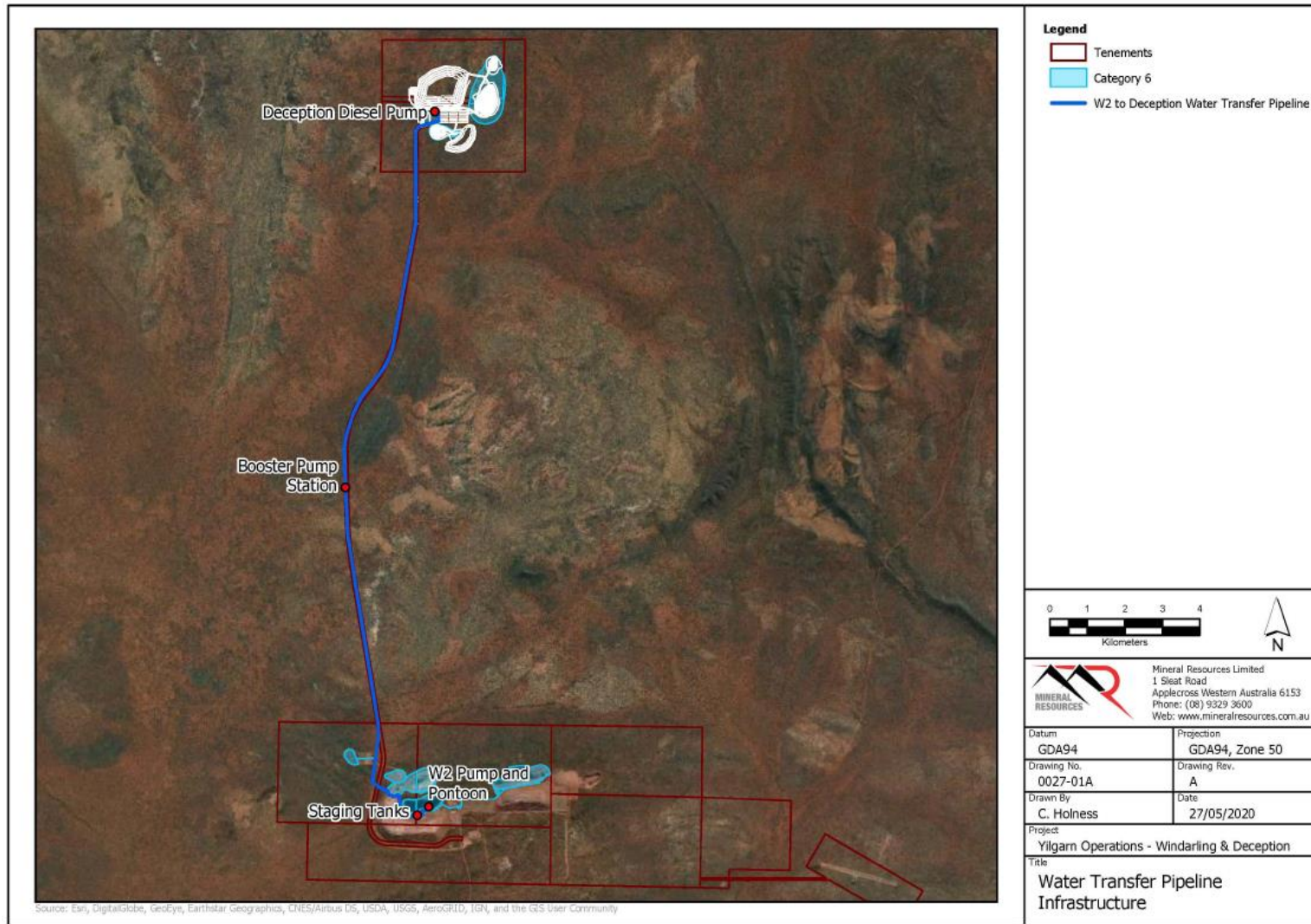


L8667/2012/1 3 September 2020

IR-T06 Licence template (v7.0) (February 2020)



Map 3 of 3 – Water Transfer Pipeline and Associated Infrastructure



L8667/2012/1 3 September 2020

IR-T06 Licence template (v7.0) (February 2020)



## Schedule 2: Forms

Licence: L8667/2012/1

Licence Holder: Yilgarn Iron Pty Ltd

Form: N1

Date of breach:

Notification of detection of the breach of a limit or any failure or malfunction of any pollution control equipment or any incident which has caused, is causing or may cause pollution.

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

### Part A

Licence Number	
Name of operator	
Location of Premises	
Time and date of the detection	

Notification requirements for the breach of a limit	
To be notified as soon as practicable and no later than 5PM of the next working day	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

**Part B - to be submitted as soon as practicable**

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission	
The dates of any unauthorised emissions from the installation in the preceding 24 months.	

Name*	
Post	
Signature on behalf of Yilgarn Iron Pty Ltd	
Date	