



Licence number	L8402/2009/2
Licence holder	DC Mines Pty Ltd
ACN	653 399 627
Registered business address	Level 2, 3-5 Bennett Street EAST PERTH 6004
DWER file number	DER2014/001263-1
Duration	01/02/2015 to 31/01/2026
Date of transfer	20 April 2023
Premises details	Golden Dragon Mine Mining Lease M59/406-I YALGOO WA 6635

As defined by the coordinates in Schedule 1

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: 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 ore; or (c) Tailings or residue from metallic or non-metallic ore are discharged into a containment cell or dam.	2 350 000 tonnes per annual period
Category 64: Class II or III putrescible landfill site: premises on which waste (as determined by reference to the waste type set out in the document entitled “ <i>Landfill Waste Classification and Waste Definitions 1996</i> ” published by the Chief Executive Officer and as amended from time to time) is accepted for burial.	500 tonnes per annual period

This transferred licence is granted to the licence holder, subject to the attached conditions, on 29 April 2023, by:

Alana Kidd

Manager, Resource Industries

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

Licence history

Date	Reference number	Summary of changes
07/03/2001	W3255/2000/1	Works approval
11/01/2013	W4576/2009/1	Works approval
03/04/2002	L7739/2000/2	Licence re-issue
07/04/2003	L7739/2000/3	Licence re-issue
04/04/2005	L7739/2000/4	Licence re-issue
03/06/2005	L7739/2000/5	Licence re-issue
01/02/2010	L8402/2009/1	Licence re-issue
29/01/2015	L8402/2009/2	Licence re-issue and conversion REFIRE format
22/05/2017	L8402/2009/2	Amendment Notice 1 granted
22/03/2019	L8402/2009/2	Amendment Notice 2 granted
21/12/2020	L8402/2009/2	Licence amendment granted to alter prescribed premises boundary. Consolidation of the licence performed as a part of this amendment.
20/04/2023	L8402/2009/2	Licence transferred from Minjar Gold Pty Ltd to DC Mines Pty Ltd

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; 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.

Licence conditions

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

1. General

1.1. Premises Operation

- 1.1.1. The Licence holder must ensure that all pipelines containing environmentally hazardous substances are either:
- (a) equipped with telemetry systems and pressure sensors along pipelines to allow the detection of leaks and failures;
 - (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 inspections.
- 1.1.2. The Licence holder must ensure that tailings and untreated water are only discharged into dams with the relevant infrastructure requirements specified in Table 1 and identified on the Map of containment infrastructure in Schedule 1.

Table 1: Containment infrastructure

Containment infrastructure reference	Containment infrastructure reference on map of containment infrastructure	Material	Infrastructure requirements
TSF A	Cell A	Tailings	Lined to achieve a permeability of $\leq 10^{-9}$ m/s
TSF B	Cell B	Tailings	Lined to achieve a permeability of $\leq 10^{-9}$ m/s
TSF C	Cell C	Tailings	Starter embankment lined to achieve a permeability of $\leq 10^{-9}$ m/s

- 1.1.3. The Licence holder must manage containment infrastructure in Table 1 such that:
- (a) a minimum top of embankment freeboard of 300mm is maintained;
 - (b) stormwater run-off is diverted from the tailings dam/s to prevent flooding or erosion; and
 - (c) all matter containing saline, alkaline or cyanide constituents are contained within the holding facilities in a manner which prevents pollution.
- 1.1.4. The Licence holder must manage containment infrastructure in Table 1 such that:
- (a) a seepage recovery trench is maintained downstream of the external toe of the tailings dam/s to recover any liquid matter resulting from seepage or breach of the embankment; and
 - (b) seepage is returned to TSF A, TSF B, TSF C or re-used in the processing plant.

1.1.5. The Licence holder must:

- (a) undertake inspections as detailed in Table 2;
- (b) 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
- (c) maintain a record of all inspections undertaken.

Table 2: Inspection of infrastructure

Scope of inspection	Type of inspection	Frequency of inspection
TSF A, TSF B and TSF C including all hoppers, tanks, pipes, pipeline corridors and pumps.	Visual integrity	Daily
Embankment freeboard	Visual to confirm required freeboard capacity is available	Daily
Chemical/fuel storage areas, workshop areas, heap pads, vat leach pads, pipework and ore treatment plant.	Visual integrity	Weekly

1.1.6. The Licence holder must undertake an annual water balance for the active containment infrastructure in Table 2. The water balance shall as a minimum consider the following:

- (a) site rainfall;
- (b) evaporation;
- (c) decant water recovery volumes;
- (d) seepage recovery volumes; and
- (e) volumes of tailings deposited

1.1.7. The Licence Holder must ensure that the landfill infrastructure specified in Table 3 is operated in accordance with the operational requirements specified in Table 3.

Table 3: Landfill infrastructure controls

Infrastructure and equipment	Operational requirements
Putrescible landfill located within the area specified in the Premises Map in Schedule1.	<p>Tipping face of landfill active trench to be no greater than 30m in length.</p> <p>Waste to be covered by approximately 300mm of Inert Fill;</p> <ol style="list-style-type: none"> (a) At least once a month while in use; and (b) Buried tyres to be covered as soon as practical. <p>Storm-water bunds shall be maintained surrounding landfill trenches capable of diverting storm-water away from waste.</p> <p>Waste containing visible asbestos shall not be disposed of within the landfill.</p>

1.1.8. The Licence Holder must only dispose of the waste types and volumes specified in Table 4 and using the disposal method specified.

Table 4: Waste disposal

Waste type	Waste volume	Disposal method
Inert waste type 2 (Tyres only) ¹	500 tonnes per annual period.	Disposed to tyre disposal cell as specified in the Landfill layout map in Schedule 1.
Inert waste type 1		Disposed to 'General waste' trench as specified in Landfill layout map in Schedule 1.
Clean fill		
Uncontaminated fill		
Putrescible wastes		
Contaminated solid waste meeting waste acceptance criteria specified for Class II landfills ²		

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

Note 2: as defined in the Landfill waste classification and waste definitions 1996 (as amended 2018).

2. Monitoring

2.1. General Monitoring

2.1.1. The Licence holder must ensure that:

- all water samples are collected and preserved in accordance with AS/NZS 5667.1;
- all groundwater sampling is conducted in accordance with AS/NZS 5667.11; and
- all laboratory samples are submitted to and tested by a laboratory with current NATA accreditation for the parameters being measured unless indicated otherwise in the relevant table.

2.1.2. The Licence holder must ensure that quarterly monitoring is undertaken at least 45 days apart.

2.1.3. The Licence holder must ensure that all monitoring equipment used on the Premises comply with the conditions of this Licence and is calibrated in accordance with the manufacturer's specifications.

2.2. Ambient environmental quality monitoring

2.2.1. The Licence holder must undertake the monitoring specified in Table 5 and record and investigate the exceedance of any limit specified.

Table 5: Monitoring of ambient groundwater quality

Emission point Reference and location on Map of monitoring bores	Parameter	Limit (including units)	Frequency
Bore T1D	Aluminium	--	Quarterly
Bore T2S	Antimony	--	
Bore T2D	Arsenic	--	
Bore T3S	Cadmium	0.005 mg/L	
Bore T3D	Calcium	--	
Bore T4S	Chromium	<0.05 mg/L	
Bore T4D	Cobalt	--	
Bore T5S	Copper	<1.0 mg/L	
Bore T5D	Lead	<0.01 mg/L	
Bore T6S	Magnesium	--	
Bore T6D	Mercury	<0.002 mg/L	
Bore T8S	Nickel	<0.2 m/L	
Bore T8D	Nitrate-Nitrogen	30 mg/L	
Bore T9S	Nitrite-Nitrogen	--	
Bore T9D	pH ¹	≥ 6.0 ≤ 9.0	
Bore T10S	Selenium	--	
Bore T10D	Sulfate	--	
Bore T11S	Thallium	--	
Bore T11D	Total Dissolved Solids (TDS)	<1,500 mg/L	
Bore T12S	WAD Cyanide	<0.5mg/L	
Bore T12D	Zinc	<5 mg/L	
Bore T13S	Standing Water Level ² (SWL)	--	
Bore T13D			
Bore T14S			
Bore T14D			
Bore T15S			
Bore T15D			
Bore T16S			
Bore T16D			
Bore T17S			
Bore T17D			
Bore T18			
Bore T19			
Bore T20			

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

Note 2: SWL shall be determined prior to collection of water samples.

3. Information

3.1. Records

3.1.1. 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 or are capable of retrieval;
- (c) except for records listed in 3.1.1(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 waters.

3.1.2. The Licence holder must submit to the CEO within 90 days after the end of the annual period an Annual Audit Compliance Report indicating the extent to which the Licence holder has complied with the Conditions of this Licence for the annual period.

3.1.3. 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.

3.2. Reporting

3.2.1. The Licence holder must submit to the CEO an Annual Environmental Report within 60 calendar days after the end of the annual period. The report shall contain the information listed in Table 6 in the format or form specified in that table.

Table 6: Annual 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 5	Monitoring of ambient groundwater quality and limit exceedances	GR1
3.1.2	Compliance	AACR
3.1.3	Complaints summary	None specified

Note 1: Forms are in Schedule 2

3.2.2. The Licence holder must ensure that the Annual Environmental Report also contains:

- (a) an assessment of the information contained within the report against previous monitoring results and Licence limits and/or targets

3.3. Notification

3.3.1. The Licence holder must ensure that the parameters listed in Table 7 are notified to the CEO in accordance with the notification requirements of the table.

Table 7: Notification requirements

Condition or table (if relevant)	Parameter	Notification requirement ¹	Format or form ²
-	Breach of any limit specified in the Licence.	As soon as practicable but no later than 5pm of the next usual working day.	N1
-	Intention to resume normal operations when in care and maintenance.	At least 3 months before operations recommence.	-

Note 1: Notification requirements in the Licence shall not negate the requirement to comply with s72 of the Act

Note 2: Forms are in Schedule 2

Definitions

In this licence, the terms in Table 8 have the meanings defined.

Table 8: Definitions

Term	Definition
ACN	Australian Company Number
Annual Audit Compliance Report (AACR)	means a report submitted in a format approved by the CEO (relevant guidelines and templates may be available on the Department's website).
AHD	means the Australian height datum
annual period	a 12 month period commencing from 1 January until 31 December in the same year.
AS/NZS 5667.1	means the Australian Standard AS/NZS 5667.1 <i>Water Quality – Sampling – Guidance of the Design of sampling programs, sampling techniques and the preservation and handling of samples</i>
AS/NZS 5667.11	means the Australian Standard AS/NZS 5667.11 <i>Water Quality – Sampling – Guidance on sampling of groundwaters</i>
averaging period	means the time over which a limit or target is measured or a monitoring result is obtained
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
Code of practice for the storage and handling of dangerous goods	means the document titled “ <i>Storage and handling of dangerous goods: Code of Practice</i> ” published by the Department of Mines, Industry Regulation and Safety, as amended from time to time
Controlled waste	has the definition in <i>Environmental Protection (Controlled Waste) Regulations 2004</i>
Dangerous goods	has the meaning defined in the <i>Dangerous Goods Safety (Storage and Handling of Non-explosives) Regulations 2007</i>
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> (WA) and designated as responsible for the administration of the EP Act, which includes Part V Division 3.
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.

Term	Definition
environmentally hazardous material	means material (either solid or liquid raw materials, materials in the process of manufacture, manufactured products, products used in the manufacturing process, by-products and waste) which if discharged into the environment from or within the premises may cause pollution or environmental harm. Note: Environmentally hazardous materials include dangerous goods where they are stored in quantities below placard quantities. The storage of dangerous goods above placard quantities is regulated by the Department of Mines, Industry Regulation and Safety
EP Act	<i>Environmental Protection Act 1986 (WA)</i>
EP Regulations	<i>Environmental Protection Regulations 1987 (WA)</i>
freeboard	means the distance between the maximum water surface elevations and the top of retaining banks or structures at their lowest point
hardstand	means a surface with a permeability of 10^{-9} metres/second or less
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
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	refers to 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 licence
prescribed premises	has the same meaning given to that term under the EP Act
quarterly	means the 4 inclusive periods from 1 April to 30 June, 1 July to 30 September, 1 October to 31 December and in the following year, 1 January to 31 March
Schedule 1	means Schedule 1 of this Licence unless otherwise stated
Schedule 2	means Schedule 2 of this Licence unless otherwise stated
spot sample	means a discrete sample representative at the time and place at which the sample is taken
TSF	Means tailings storage facility
waste	has the same meaning given to that term under the EP Act

END OF CONDITIONS

Schedule 1: Maps

Premises map

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

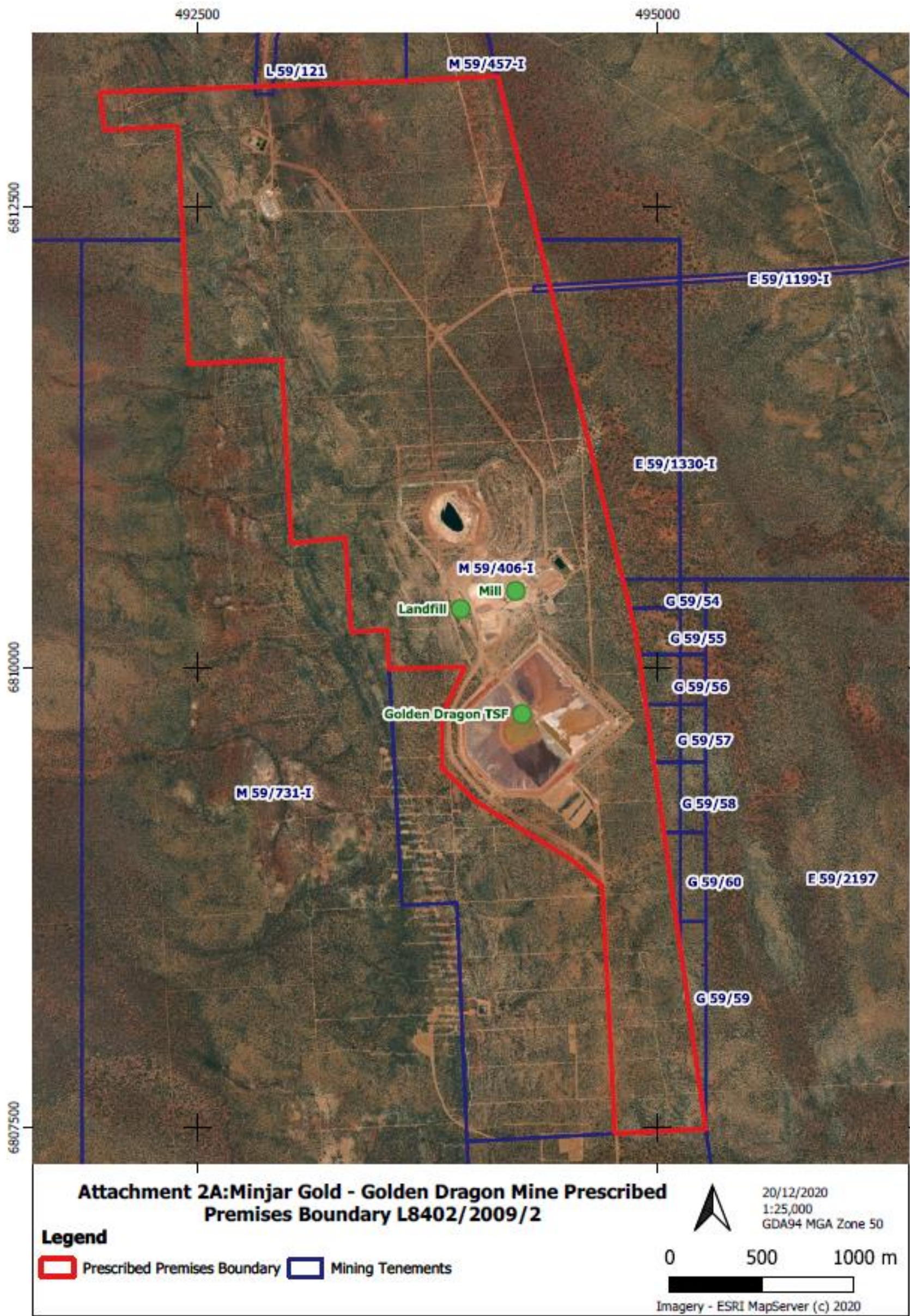


Figure 1: Map of the boundary of the prescribed premises

Map of containment infrastructure

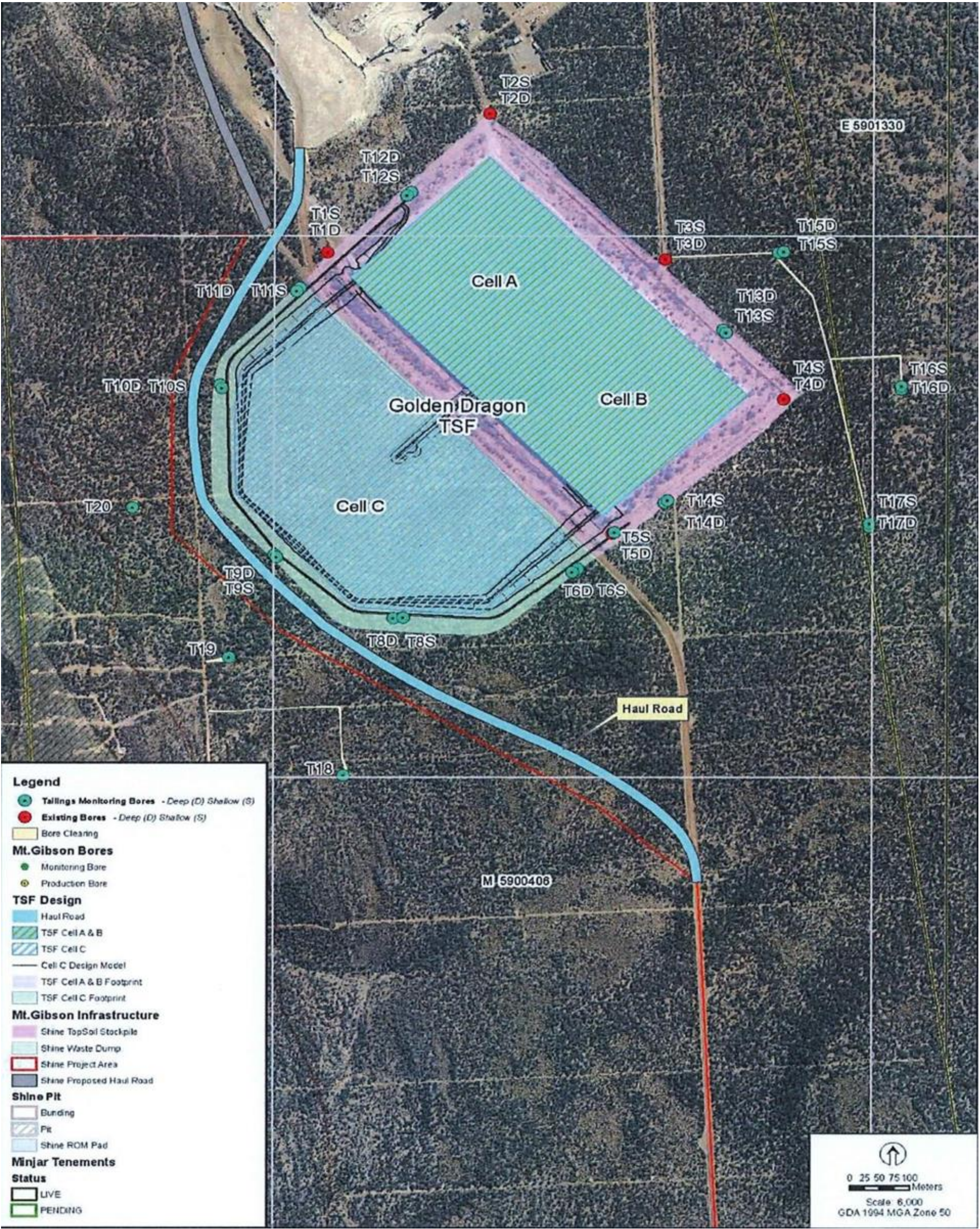


Figure 2: Map of containment infrastructure

Map of monitoring bores

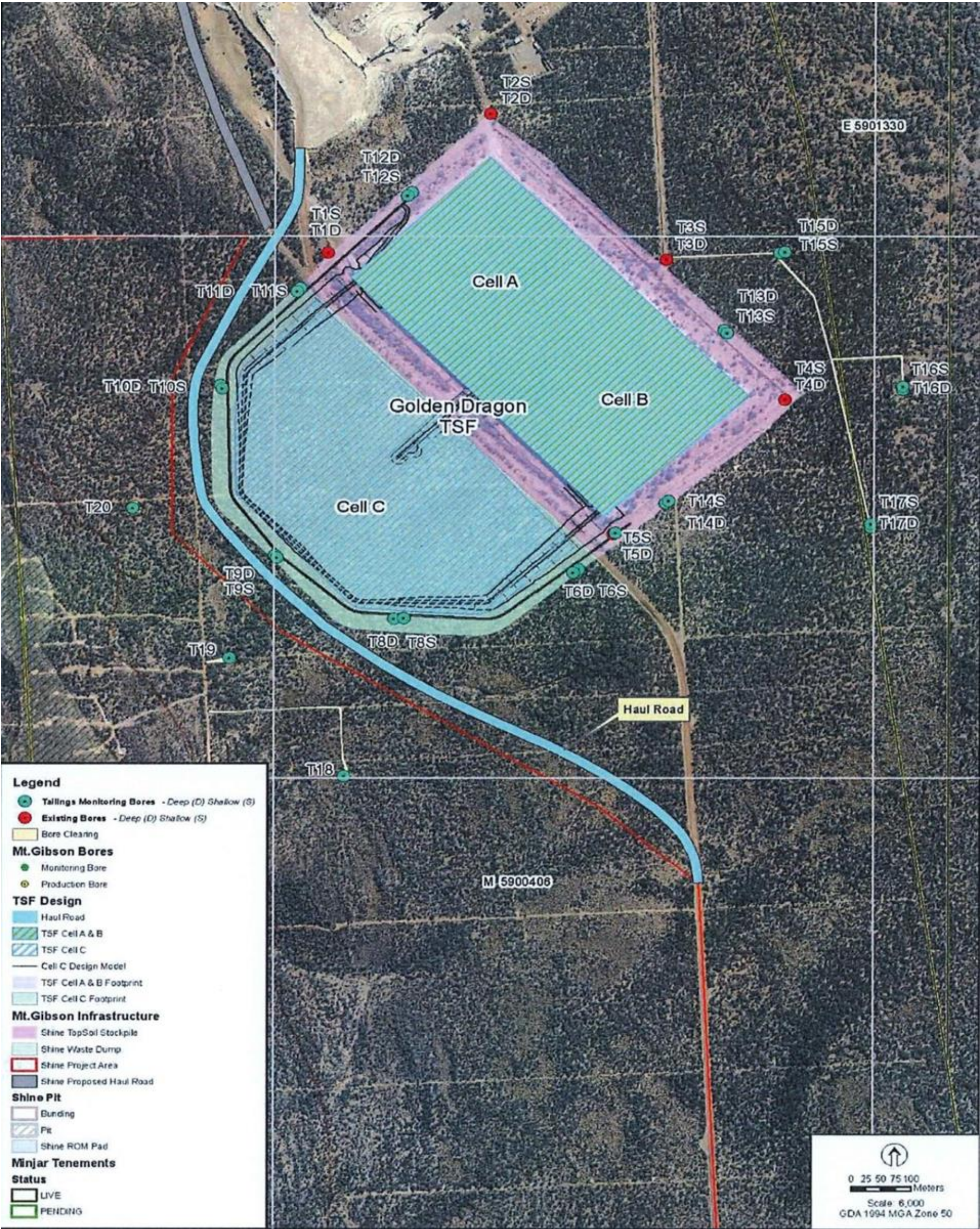


Figure 3: Map of monitoring bores

Landfill layout map

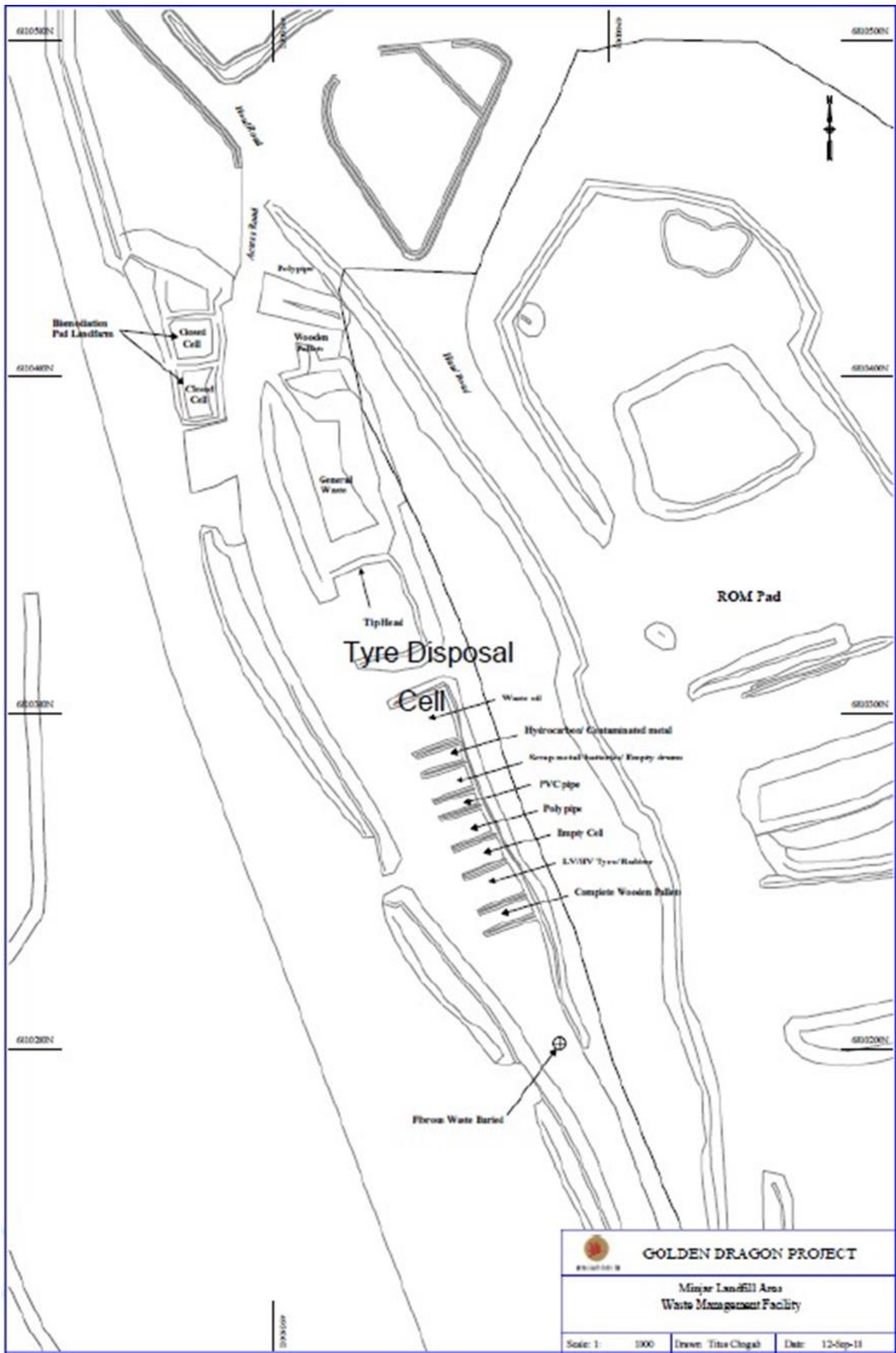


Figure 4: Landfill layout map

Schedule 2: Reporting & notification forms

Licence: L8402/2009/2
 Form: GR1
 Name: Monitoring of ambient groundwater quality

Licence holder: DC Mines Pty Ltd
 Period:

Emission point	Parameter	Limit	Result	Averaging period	Method	Sample date & times
Bore T1D	Aluminium	--				
Bore T2S	Antimony	--				
Bore T2D	Arsenic	--				
Bore T3S	Cadmium	0.005 mg/L				
Bore T4S	Calcium	--				
Bore T4D	Chromium	<0.05 mg/L				
Bore T5S	Cobalt	--				
Bore T5D	Copper	<1.0 mg/L				
Bore T6S	Lead	<0.01 mg/L				
Bore T6D	Magnesium	--				
Bore T8S	Mercury	<0.002 mg/L				
Bore T8D	Nickel	<0.2 m/L				
Bore T9S	Nitrate-Nitrogen	30 mg/L				
Bore T9D	Nitrite-Nitrogen	--				
Bore T10S	pH	≥ 6.0 ≤ 9.0				
Bore T10D	Selenium	--				
Bore T11S	Sulfate	--				
Bore T11D	Thallium	--				
Bore T12S						
Bore T12D						
Bore T13S						
Bore T13D						
Bore T14S						

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

Bore T14D	Total Dissolved Solids (TDS)	<1,500 mg/L				
Bore T15S	WAD Cyanide	<0.5mg/L				
Bore T15D	Zinc	<5 mg/L				
Bore T16S	Standing Water Level (SWL)	--				
Bore T16D						
Bore T17S						
Bore T17D						
Bore T18						
Bore T19						
Bore T20						

Signed on behalf of DC Mines Pty Ltd:

Date:

Licence: L8402/2009/2
Form: N1

Licence holder: DC Mines Pty Ltd
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	
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	

Notification requirements for any failure or malfunction of any pollution control equipment or any incident which has caused, is causing or may cause pollution	
Date and time of event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident	

Part B

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 previous N1 notifications for the Premises in the preceding 24 months.	

Name	
Post	
Signature on behalf of DC Mines Pty Ltd	
Date	

Schedule 3: Premises Boundary Coordinates

Table 9 : Premises boundary coordinates (GDA 94 MGA Zone 50)

Easting	Northing
494767.6442	6807463.846
494749.0845	6807853.601
494699.4756	6808812.368
494540.1739	6808947.522
494011.8529	6809270.949
493827.911	6809454.538
493827.9108	6809739.275
493952.1678	6810001.306
493540.8794	6809992
493529.329	6810203.144
493333.8972	6810192.223
493302.8626	6810705.594
493008.6623	6810674.328
492957.8173	6811673.693
492452.0347	6811648.013
492420.9643	6812323.385
492392.4333	6812943.459
491991.965	6812920.872
491971.0245	6813125.496
493634.3026	6813188.344
494131.1915	6813213.296
494809.7923	6810478.257
494848.8306	6810320.999
494878.1134	6810202.956
494897.012	6810069.258
494935.4365	6809797.526
494979.8027	6809483.746
495033.6465	6809102.92
495102.4039	6808616.642
495261.7837	6807489.508
494767.6442	6807463.846