



Licence number	L8593/2011/2
Licence holder	EMR Golden Grove Pty Ltd
ACN	114 868 325
Registered business address	Suite 1, 38 Colin Street West Perth WA 6005
DWER file number	2011/007842-1
Duration	16/09/2014 to 15/09/2024
Date of issue	11/09/2014
Premises details	Scuddles & Gossan Hill Mine M59/3, M59/90, M59/195, M59/227, M59/361 M59/362, G59/19-23, G59/24, L59/22, L59/26 and L59/41 - as depicted in Schedule 1 YALGOO, WA 6635

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed production / design capacity
Category 5: <i>Processing or beneficiation of metallic or non-metallic ore: premises on which –</i> <i>(a) metallic or non-metallic ore is crushed, ground, milled or otherwise processed; or</i> <i>(b) tailings from metallic or non-metallic ore are processed; or</i> <i>(c) tailings or residue from metallic or non-metallic ore are discharged into a containment cell or dam</i>	<i>2 100 000 tonnes per annual period</i>
Category 6: <i>Mine dewatering: premises on which water is extracted and discharged into the environment to allow mining of ore.</i>	<i>3 500 000 tonnes per annual period</i>
Category 54: <i>Sewage facility: premises-</i> <i>(a) on which sewage is treated (excluding septic tanks); or</i> <i>(b) from which treated sewage is discharged onto land or into waters</i>	<i>3 500 000 tonnes per annual period</i>
Category 89: <i>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, as amended from time to time) is accepted for burial</i>	<i>Not more than 5000 tonnes per annual period</i>

This licence is granted to the licence holder, subject to the attached conditions, on 18 June 2020, by:

STEVE CHECKER

MANAGER, WASTE INDUSTRIES

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

Licence history

Date	Reference number	Summary of changes
L8593/2011/1	16/09/2011	Licence re-issue
W5260/2012/1	01/02/2013	Works approval
W5328/2012/1	18/02/2013	Works approval
L8593/2011/2	11/09/2014	Licence re-issue to REFIRE format
L8593/2011/2	26/11/2015	Licence amendment to add Category 61: Liquid waste facility
L8593/2011/2	22/09/2016	Licence amendment to increase Total Dissolved Solids limit in ambient groundwater due to exceedances and implement Improvement Conditions to address management of the seepage issue from Evaporation Pond A. Addition of construction conditions for the TSF3 lift.
L8593/2011/2	21/04/2017	Licence amendment to: <ul style="list-style-type: none"> - Increase the Category 61 capacity from 1,000 tonnes per annum to 5,000 tonnes per annum - Update Licence Holder name to EMR Golden Grove Pty Ltd Amendments to Conditions 1.1.2; 1.2.1; 4.1.1; and 5.1.2.
L8593/2011/2	21/02/2020	Licence amendment to: <ul style="list-style-type: none"> - Account for TSF3 Raise 4 works - Update the format and appearance of the licence Incorporate the changes made under Amendment Notice 1 granted on 21 April 2017
L8593/2011/2	18/06/2020	Licence amendment to allow for slight Raise 4 design upgrade on the upper sections of TSF3

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:

Premises operation

1. The Licence Holder shall only accept waste on to the Premises if:
 - (a) it is of a type listed in Table 1.2.1;
 - (b) the quantity accepted is below any quantity 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	Waste code	Quantity limit	Specification ¹
Industrial wash water	L150	5000 tonnes per annual period	Tankered into the premises and discharged into concrete lined sump in bunded processing plant via an enclosed pipeline.

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

2. The Licence Holder shall ensure that where wastes produced on the Premises are not taken off-site for lawful use or disposal, they are managed according with the requirements in Table 1.2.2.

Table 1.2.2: Waste processing		
Waste type	Process(es)	Process limits ¹
Inert Waste Type 1	Receipt, handling, and disposal by landfilling	<u>All waste types</u> No more than 5000 tonnes per annual period of all waste types cumulatively shall be disposed of by landfilling.
Putrescible waste		Disposal of waste by landfilling shall only take place within the landfill area shown on the Landfill Area Map in Schedule 1. The separation distance between the base of the landfill and the highest groundwater level shall not be less than 3m. No waste shall be stored/buried within 100m of any surface water body. <u>Putrescible waste</u> No putrescible waste shall be burnt.
Inert Waste Type 2		<u>Inert Waste Type 2</u> Tyres shall only be landfilled ² : <ul style="list-style-type: none"> in batches separated from each other by at least 100mm of soil and each consisting of not more than 40 cubic metres of tyres reduced to pieces; or in batches separated from each other by at least 100mm of soil and each consisting of not more than 1,000 whole tyres.

Special Waste Type 2		<u>Special Waste Type 2</u> <ul style="list-style-type: none"> Biomedical and related waste generated on the premises Disposal of Special Waste Type 2 shall only take place within the Medical Waste Trench area defined in Schedule 1; Waste shall not be excavated or uncovered during subsequent landfill operations; and <p>Access to the landfill site where the waste is buried shall be restricted to authorised personnel only.</p>
Sewage	Biological, physical and chemical treatment	<p>Not more than 300 cubic metres per day.</p> <p>Accepted through sewer inflow only</p>

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*.

Note 2: Requirements for landfilling tyres are set out in Part 6 of the *Environmental Protection Regulations 1987*

3. The Licence Holder shall ensure that cover is applied and maintained on landfilled wastes 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 ¹

Waste Type	Material	Depth	Timescales
Special Waste Type 2 (Biomedical and related waste)	Clean fill	1000mm	Immediately
Putrescible waste		200mm	Weekly

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

4. The Licence Holder shall ensure that tailings and untreated water are only discharged into dams with the relevant infrastructure requirements and at the location specified in Table 1.2.4 and identified in Schedule 1.

Table 1.2.4: Containment infrastructure

Containment point reference	Dam number(s)	Material	Infrastructure requirements
TSF 3	TSF 3	Tailings	Lined to achieve a permeability of at least $<10^{-9}$ m/s or equivalent
CW1	Concrete sump ¹	Industrial Wash Water	Contained within concrete plant bunding
Evaporation Pond C	Evaporation Pond C	Untreated water	Lined to achieve a permeability of at least $<10^{-9}$ m/s or equivalent

Note 1: 500mm freeboard specified in Condition 1.3.5 does not apply to the concrete sump CW1.

5. The Licence Holder shall manage dams and ponds in Table 1.2.4 such that:
 - (a) a minimum operational freeboard of 300mm is maintained for TSF3;
 - (b) a minimum top of embankment freeboard of 500mm is maintained for the concrete sump and evaporation pond C;
 - (c) stormwater run-off is diverted from the tailings dam/s to prevent flooding or erosion; and

- (d) a perimeter drain 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.
6. The Licence Holder shall manage the irrigation of wastewater treated at the WWTP such that:
- (a) no irrigation generated run-off, spray drift or discharge occurs beyond the boundary of the defined irrigation area;
 - (b) treated wastewater is evenly distributed over the irrigation area;
 - (c) no soil erosion occurs;
 - (d) irrigation does not occur on land that is waterlogged; and
 - (e) vegetation cover is maintained over the irrigation area.
7. The Licence Holder shall:
- (a) undertake inspections as detailed in Table 1.2.5;
 - (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 1.2.5: Inspection of infrastructure

Scope of inspection	Type of inspection	Frequency of inspection
Tailings pipelines	Visual integrity	Daily
Return water lines	Visual integrity	Daily
Embankment freeboard and decant pond	Visual to confirm required freeboard capacity is available	Daily
Seepage collection trenches/ sumps	Visual to confirm capacity is available	Daily
Mine dewater pipelines	Visual integrity	Daily
Discharge pipeline to lake	Visual integrity	Weekly
Controlled Waste concrete sump	Visual integrity and to confirm required freeboard capacity is available	Daily during periods of discharge

8. The Licence Holder shall 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.
9. The Licence Holder shall ensure the limits specified in Table 1.2.6 are not exceeded.

Table 1.2.6 Production or design capacity limits		
Category ¹	Category description ¹	Premises production or design capacity limit
5	Processing or beneficiation of metallic or non-metallic ore	2 100 000 tonnes of ore per annual period
6	Mine dewatering	3 500 000 tonnes of ore per annual period

10. The Licence Holder must install and undertake the Works for the infrastructure:

- (a) specified in Column 1;
- (b) to the requirements specified in Column 2;
- (c) prior to the date specified in Column 3; and
- (d) at the location specified in Column 4 of Table 1.2.7 below

Table 1.2.7: Infrastructure and equipment requirements table			
Column 1	Column 2	Column 3	Column 4
Infrastructure	Requirements (design and construction)	Completion date	Site plan reference
TSF3 embankment raise 4	<p><u>Perimeter embankment</u></p> <ul style="list-style-type: none"> ▪ Centreline raise of the perimeter embankment - 3 metre raise to RL381m ▪ Probable Maximum Precipitation (PMP) storage capacity to be included in ATCW Raise 4 Design Upgrade ▪ Perimeter embankment constructed with clayey low permeability material <p><u>Freeboard and emergency spillway</u></p> <ul style="list-style-type: none"> ▪ Minimum operational freeboard of 300mm ▪ Maximum normal operating pond level to accommodate the 1 in 100 year 72 hour duration rainfall event, plus 500mm total freeboard. <p><u>Decant return system to incorporate:</u></p> <ul style="list-style-type: none"> ▪ Centreline raise of decant tower and decant accessway, including rock filter surrounding decant tower ▪ Skid mounted decant pumps with floating suctions installed adjacent to decant tower <p><u>Seepage interception system</u></p> <ul style="list-style-type: none"> ▪ Seepage interception drainage geonet and associated pipework. <p><u>Additional TSF piezometers</u></p> <ul style="list-style-type: none"> ▪ 3 additional titanium pressure transducer piezometers 	Up to 12 months following the grant of the licence amendment	TSF3 as shown in Schedule 1 and Schedule 3

	<u>Tailings delivery system and decant return water pipelines</u> <ul style="list-style-type: none"> HDPE tailings slurry and decant return water pipelines – fitted with flow meters. Tailings deposition ring consisting of two polypropylene pipelines (arms), with each arm fitted with 102 spigots. 		
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11. The Licence Holder shall operate TSF3 in accordance with the conditions of this Licence, following submission of the construction compliance reports required under condition 29.

12. The Licence Holder must design, construct, and install groundwater monitoring wells in accordance with the requirements specified in Table 1.2.8.

Table 1.2.8: Infrastructure requirements – groundwater monitoring wells			
Infrastructure	Design, construction, and installation requirements	Monitoring well location(s)	Timeframe
Groundwater monitoring well – replacement for monitoring well MB73A	<u>Well design and construction:</u> Designed and constructed in accordance with <i>ASTM D5092/D5092M-16: Standard practice for design and installation of groundwater monitoring bores</i> . Wells must be constructed with a screened interval from the water table to a depth of 2 metres below the water table and 1 metre above the water table.	Adjacent to southern corner of TSF3. An updated monitoring well network map (using aerial image overlay) must be prepared and include the location of all monitoring wells and their respective identification numbers	Must be constructed, developed (purged), and determined to be operational prior to continued operation of TSF3 (post-construction of Raise 4)
	<u>Logging of borehole:</u> Soil samples must be collected and logged during the installation of the monitoring wells. A record of the geology encountered during drilling must be described and classified in accordance with the Australian Standard Geotechnical Site Investigations AS1726. Any observations of staining / odours or other indications of contamination must be included in the bore log.		
	<u>Well construction log:</u> Well construction details must be documented within a well construction log to demonstrate compliance with <i>ASTM D5092/D5092M-16</i> . The construction logs must include elevations of the top of casing position to be used as the reference point for water-level measurements, and the elevations of the ground surface protective installations.		
	<u>Well development:</u> All installed monitoring wells must be developed after drilling to remove fine sand,		

Table 1.2.8: Infrastructure requirements – groundwater monitoring wells

Infrastructure	Design, construction, and installation requirements	Monitoring well location(s)	Timeframe
	<p>silt, clay and any drilling mud residues from around the well screen to ensure the hydraulic functioning of the well. A detailed record should be kept of well development activities and included in the well construction log.</p> <p><u>Installation survey:</u> the vertical (top of casing) and horizontal position of each monitoring well must be surveyed and subsequently mapped by a suitably qualified surveyor.</p> <p><u>Well ID:</u> Well to be labelled as MB73B or other suitable label</p>		

13. The Licence Holder shall undertake a monthly water balance for TSF3. The water balance shall as a minimum record the following:

- (a) Site rainfall;
- (b) Volume of tailings deposited;
- (c) Evaporation rate;
- (d) Decant water recovery volumes;
- (e) Seepage recovery volumes; and
- (f) Estimate of seepage losses.

Emissions and discharges

General

14. 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.

Point source emissions to surface water

15. The Licence Holder shall ensure that where waste is emitted to surface water from the emission points in Table 2.2.1 and identified on the map of emission points in Schedule 1 it is done so in accordance with the conditions of this Licence.

Table 2.2.1: Emission points to surface water

Emission point reference	Emission point reference on Map of emission points	Description	Source including abatement
D1	D1	Discharge to Lake Wownaminy	Treated dewatering effluent

16. The Licence Holder shall not cause or allow point source emissions to surface water that do not comply with the limits listed in Table 2.2.2.

Table 2.2.2: Point source emission limits to surface water

Emission point reference	Parameter	Limit (including units)	Averaging period
D1	Arsenic	<0.5 mg/L	Monthly
	Cadmium	<0.01 mg/L	
	Chromium	<1.0 mg/L	
	Copper	<0.4 mg/L	
	Lead	<0.1 mg/L	
	Mercury	-	
	pH1	$\geq 6.0 \leq 9.0$	
	Selenium	<0.02 mg/L	
	Sulphate	<3800 mg/L	
	Total recoverable hydrocarbons (TRH)	<15 mg/L	
	Total suspended solids	<100 mg/L	
	Total acidity (CaCO ₃)	<40 mg/L	
	Zinc	<20 mg/L	

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

Emissions to land

17. The Licence Holder shall ensure that where waste is emitted to land from the emission points in Table 2.3.1 and identified on the map of emission points in Schedule 1 it is done so in accordance with the conditions of this Licence.

Table 2.3.1: Emissions to land

Emission point reference	Emission point reference on Map of emission points	Description	Source including abatement
L1	L1	Effluent irrigation area	Wastewater Treatment Plant treated effluent.

Monitoring

General monitoring

18. The Licence Holder shall ensure that:

- (a) all water samples are collected and preserved in accordance with AS/NZS 5667.1;
- (b) all wastewater sampling is conducted in accordance with AS/NZS 5667.10;
- (c) all surface water sampling is conducted in accordance with AS/NZS 5667.4;
- (d) all groundwater sampling is conducted in accordance with AS/NZS 5667.11; and
- (e) 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.

19. The Licence Holder shall ensure that:

- (a) monthly monitoring is undertaken at least 15 days apart;
- (b) quarterly monitoring is undertaken at least 45 days apart;
- (c) six monthly monitoring is undertaken at least 5 months apart; and
- (d) annual monitoring is undertaken at least 9 months apart.

20. The Licence Holder shall 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.

Monitoring of point source emissions to surface water

21. 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 point source emissions to surface water				
Emission point reference	Parameter	Units	Averaging period	Frequency
D1	Volumetric flow rate	m³/day	-	Continuous
	pH¹	None specified	Spot sample	Monthly
	Electrical Conductivity (EC)	µS/cm		
	Total aluminium	mg/L		
	Arsenic			
	Cadmium			
	Chromium			
	Copper			
	Total iron			
	Lead			
	Manganese			
	Mercury			
	Nickel			
	Total Nitrogen (as N)			
	Nitrate (as NO₃)			

	Total Phosphorus (as P)			
	Selenium			
	Sulphate			
	TRH			
	Total suspended solids			
	Total dissolved solids			
	Total acidity (CaCO ₃)			
	Zinc			

Monitoring of emissions to land

22. 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			
Emission point reference	Parameter	Units	Frequency
L1	Volumetric flow rate	m ³ /day	Continuous
	Biochemical oxygen demand	mg/L	Quarterly
	Total suspended solids	mg/L	
	pH ¹	pH units	
	Total nitrogen	mg/L	
	Total phosphorus	mg/L	
	<i>E.coli</i>	cfu/100mL	

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

Monitoring of inputs and outputs

23. 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
Controlled waste	Industrial Wash Water	Metric tonnes	Month	Monthly
Waste Inputs	Inert Waste Type 1 Putrescible waste Inert Waste Type 2 Special Waste Type 2	m ³ (where no weighbridge is present)	N/A	Each load disposed at the Premises

Ambient environmental quality monitoring

24. The Licence Holder shall undertake the monitoring specified in Table 3.5.1 and record and investigate the exceedance of any limit specified.

Table 3.5.1: Monitoring of ambient groundwater quality			
Emission point reference	Parameter	Limit (including units)	Averaging period
MB11, MB13, MB16, MB18, MB19, MB21, MB22, MB23, MB24, MB46, MB47, GGW50, MB58, MB64, MB65, MB67, MB68A, MB69, MB70A, MB71A, MB73A, MB74	Arsenic	0.5 mg/L	Quarterly
	Cadmium	0.01 mg/L	
	Chromium	1.0 mg/L	
	Copper	0.4 mg/L	
	Lead	0.1 mg/L	
	Mercury	-	
	Total nitrogen (as N)	-	
	Nitrate (as NO ₃)	-	
	pH ¹	≥ 6.0 ≤ 9.0	
	Selenium	0.02 mg/L	
	Standing water level	-	
	Sulphate	1000 mg/L	
	Total dissolved solids	5,000 mg/L	
	Total acidity (CaCO ₃)	40 mg/L	
	Zinc	20 mg/L	

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

Records and reporting

Records

25. 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 waters.

- 26.** The Licence Holder must submit to the CEO within 90 days after the Anniversary Date, an Annual Audit Compliance Report indicating the extent to which the Licence Holder has complied with the Conditions in this Licence for the Annual Period.
- 27.** 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.

Reporting

- 28.** The Licence Holder shall submit to the CEO an Annual Environmental Report within 90 calendar days after the end of the annual period. 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 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 3.2.1	Specified monitoring of point source emissions and limit exceedances to surface water	WR1
Table 3.3.1	Monitoring of emissions to land	LR1
Table 3.4.1	Monitoring of inputs and outputs	None specified
Table 3.5.1	Monitoring of ambient groundwater quality and limit exceedances	GR1
26	Compliance	AACR
27	Complaints summary	None specified
20 29	Calibration information, data comparison against previous monitoring results and Licence limits	None specified

- 29.** The Licence Holder shall ensure that the Annual Environmental Report also contains:
- (a) any relevant process, production or operational data recorded under Conditions 1, 2 and 3;
 - (b) an assessment of the information contained within the report against previous monitoring results and Licence limits;
 - (c) Water balance data required under Condition 13; and
 - (d) A review of the conceptual hydrogeological model for the site with an assessment of the potential impacts of TSF3 on groundwater within and outside of the premises boundary.

Notification

30. The Licence Holder shall ensure that the items listed in Table 4.3.1 are notified to the CEO in accordance with the notification requirements of the table.

Table 4.3.1: Notification requirements			
Condition or table (if relevant)	Item	Notification requirement¹	Format or form²
14	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
		Part B: As soon as practicable	
-	Production ceasing for an unspecified period of time	As soon as practicable after the decision has been made	None Specified
-	Production recommencing	At least 28 days prior to production recommencing	None specified
10	<p>Following the construction of all items of infrastructure required by Condition 10, the Licence Holder must:</p> <ul style="list-style-type: none"> a) Undertake an audit of their compliance with the requirements of Condition 10; and b) Prepare and submit to the CEO an audit report on that compliance. <p>The audit report must include as a minimum the following:</p> <ul style="list-style-type: none"> a) Certification by a suitably qualified engineer whether or not the items of infrastructure, or components thereof, as specified in Condition 10 have been constructed in accordance with the relevant requirements specified in Condition 10; b) As constructed plans and a detailed site plan incorporating all items of infrastructure or component of infrastructure specified in Condition 10; c) Be signed by a person authorised to represent the Licence Holder and contains the printed name and position of that person; and d) In the event of a departure from the requirements specified in Condition 10 the Licence Holder must provide to the CEO a description of the departure and remedial actions proposed to comply with the requirements of Condition 10. 	Within 30 days of the completion of construction	None specified-

12	The licence holder must submit to the CEO a monitoring well construction report and updated monitoring well network map evidencing compliance with the requirements of condition 12.	Within 30 days of the monitoring well being constructed.	None specified
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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 1 have the meanings defined.

Table 1: 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).
annual period	a 12 month period commencing from 1 January until 31 December in that year.
books	has the same meaning given to that term under the EP Act.
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
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.
EP Act	<i>Environmental Protection Act 1986</i> (WA)
EP Regulations	<i>Environmental Protection Regulations 1987</i> (WA)
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.
quarterly period	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;
premises	refers to the premises to which this licence applies, as specified at the

Term	Definition
	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.
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).

M59/3, M59/90, M59/195, M59/227, M59/361, M59/362, G59/19-23, G59/24, L59/22, L59/26 and L59/41

The Premises is shown in the map below. The black line depicts the Premises boundary.

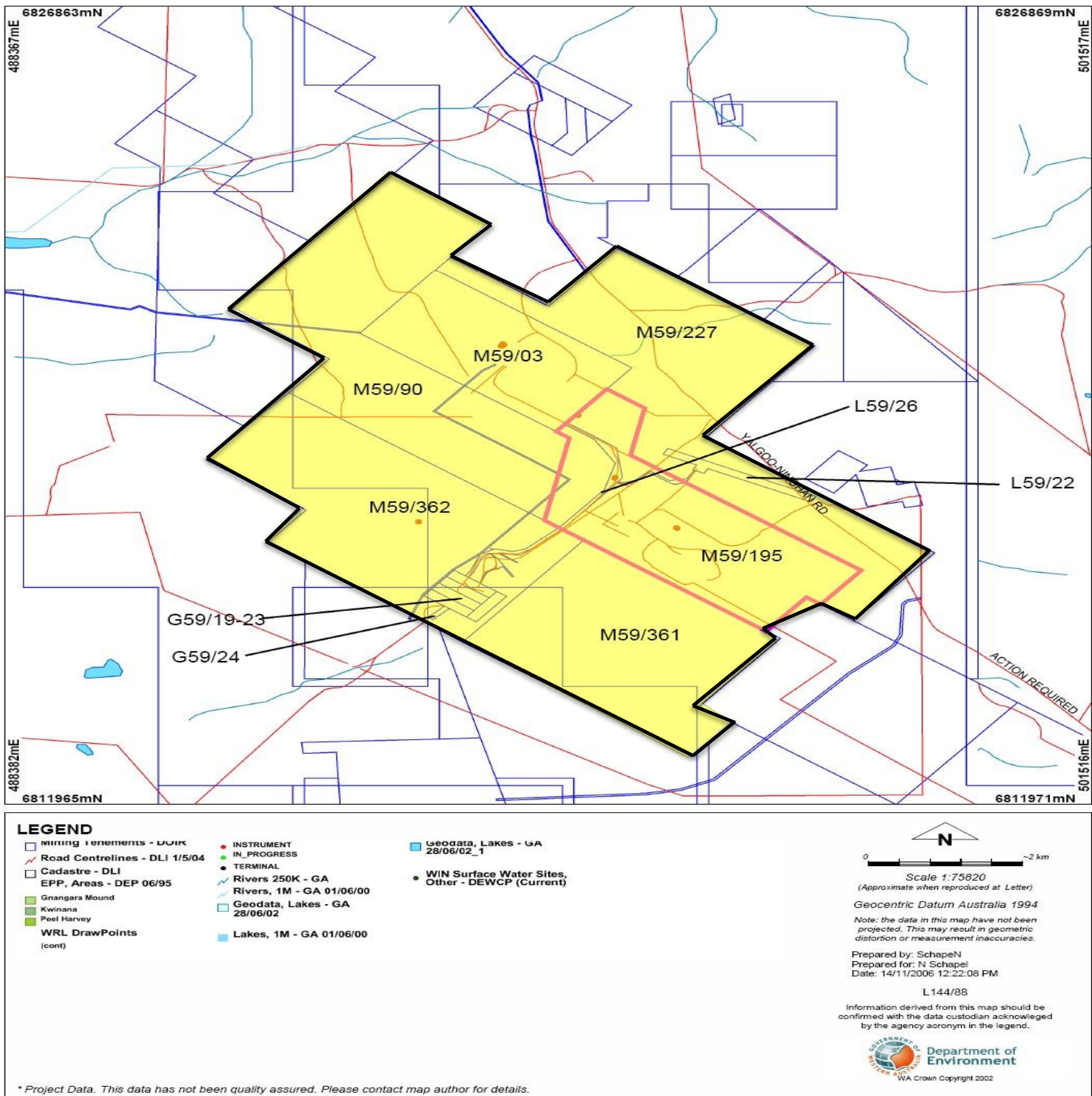


Figure 1: Map of the boundary of the prescribed premises

Map of emission points and monitoring locations

The locations of the emission points defined in Tables 2.2.1 and 2.3.1, and the monitoring points defined in Tables 3.2.1 and 3.3.1 are shown in the maps below.



Figure 3 – Emission point to surface water (D1). Monitoring location D1.

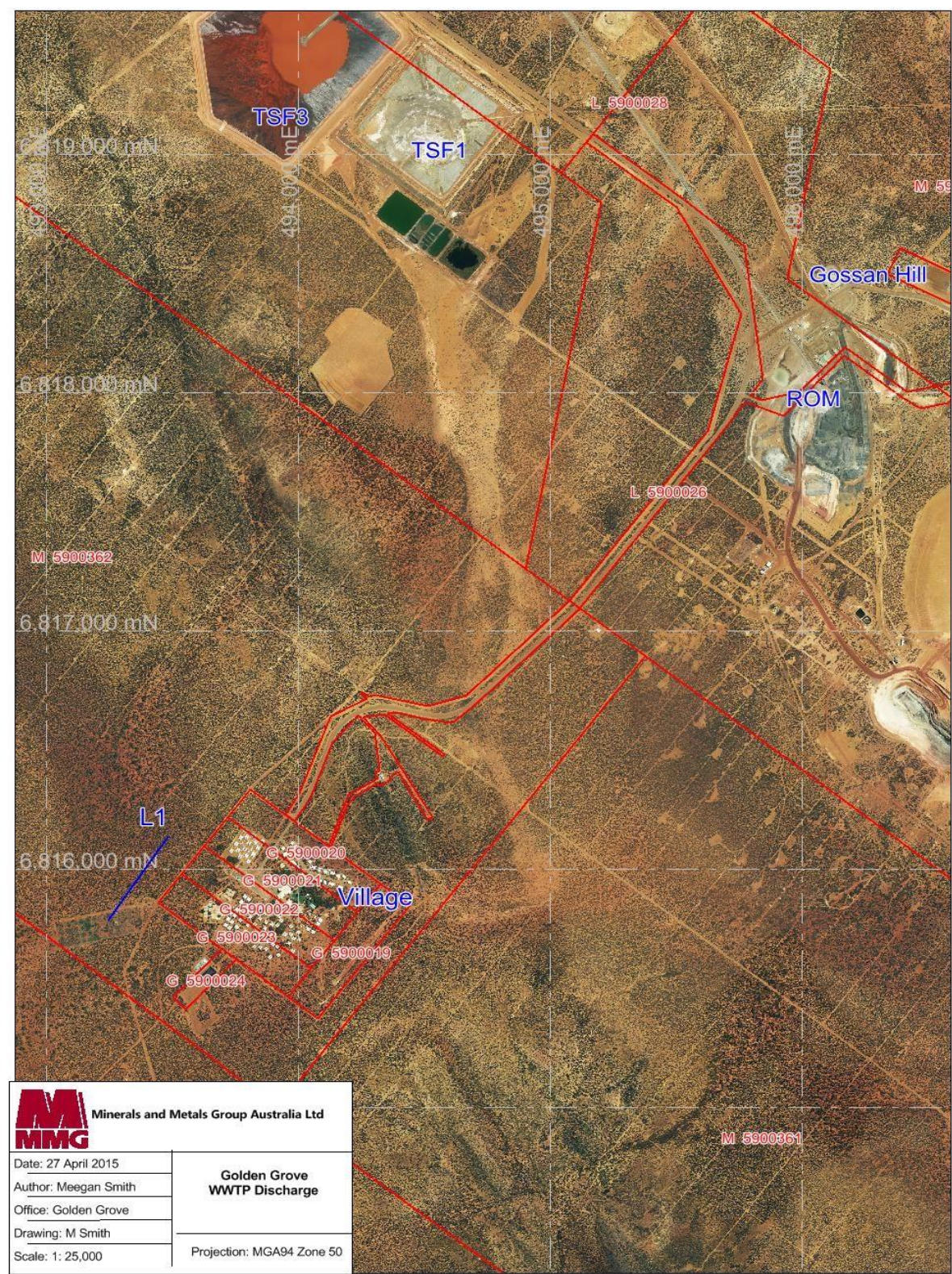


Figure 4 – Emission point to land (L1). Monitoring location L1.

Map of monitoring locations

The locations of the monitoring points defined in Table 2.5.1 are shown below.

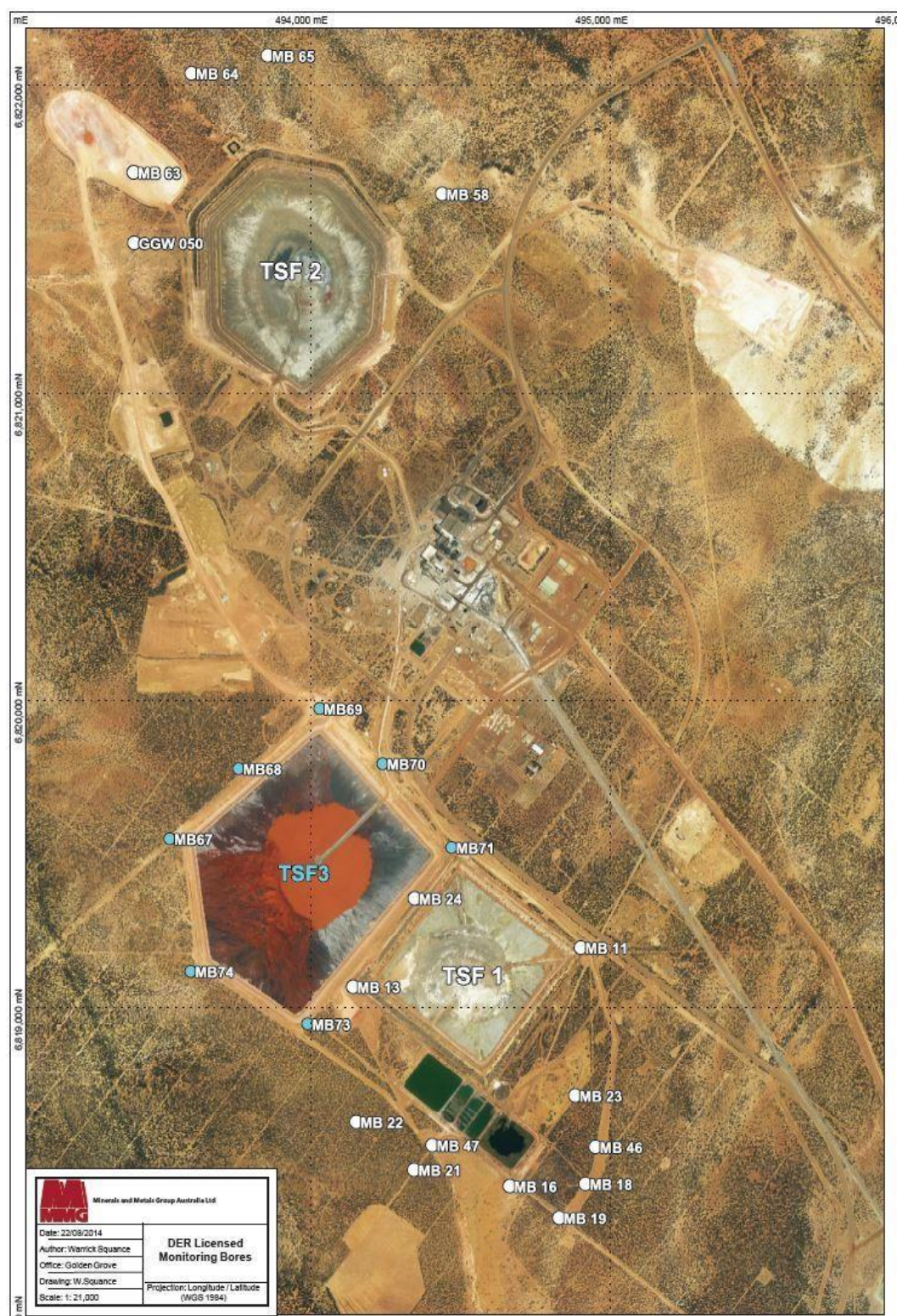


Figure 5 – ambient groundwater quality monitoring points

Map of storage locations and monitoring points

The location of the storage areas defined in Table 1.2.4 are shown below

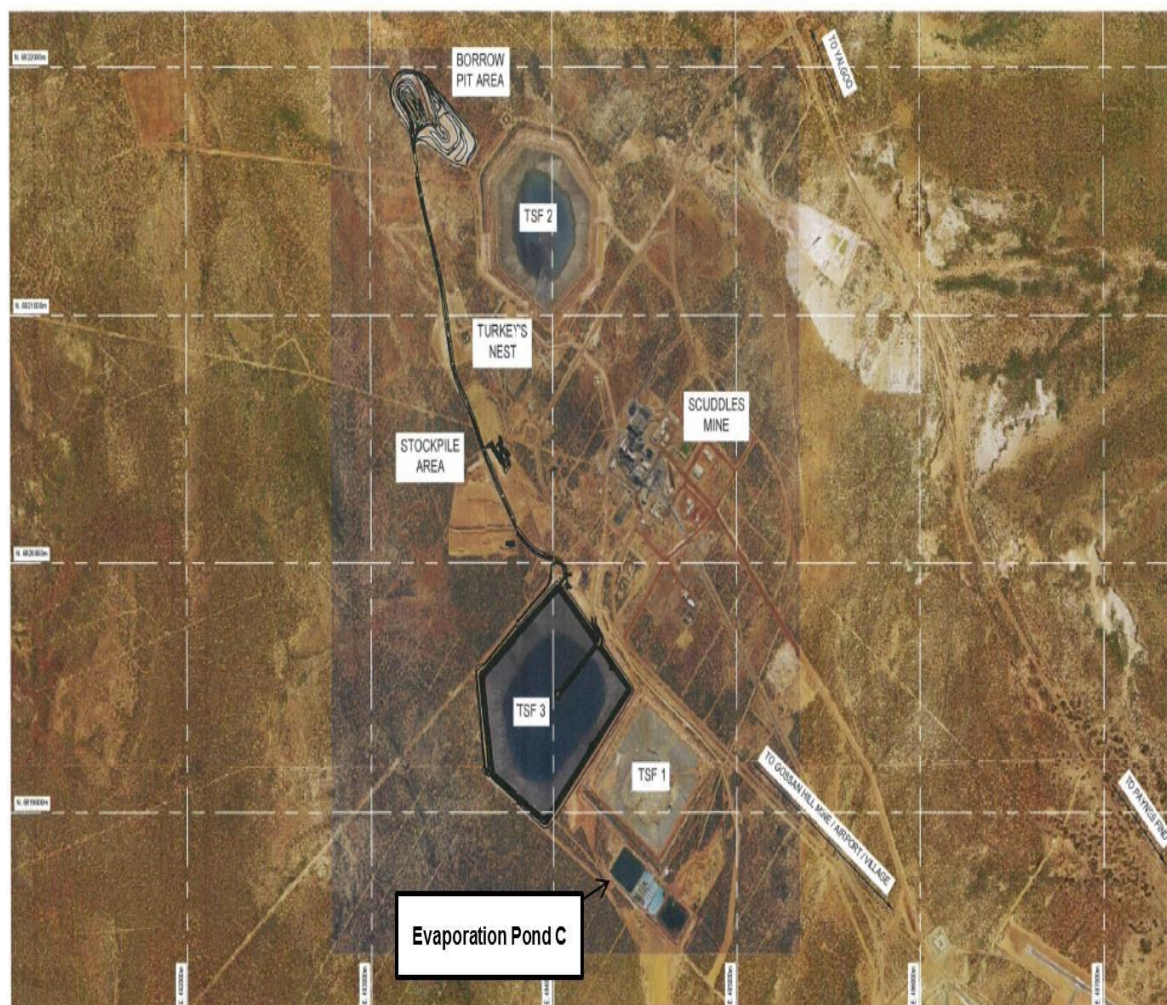


Figure 6 - containment infrastructure locations TSF3 and evaporation pond C



Figure 7 – Containment infrastructure point CW1.

Landfill area maps

The location of the landfill areas referred to in Table 1.2.2 are shown below.

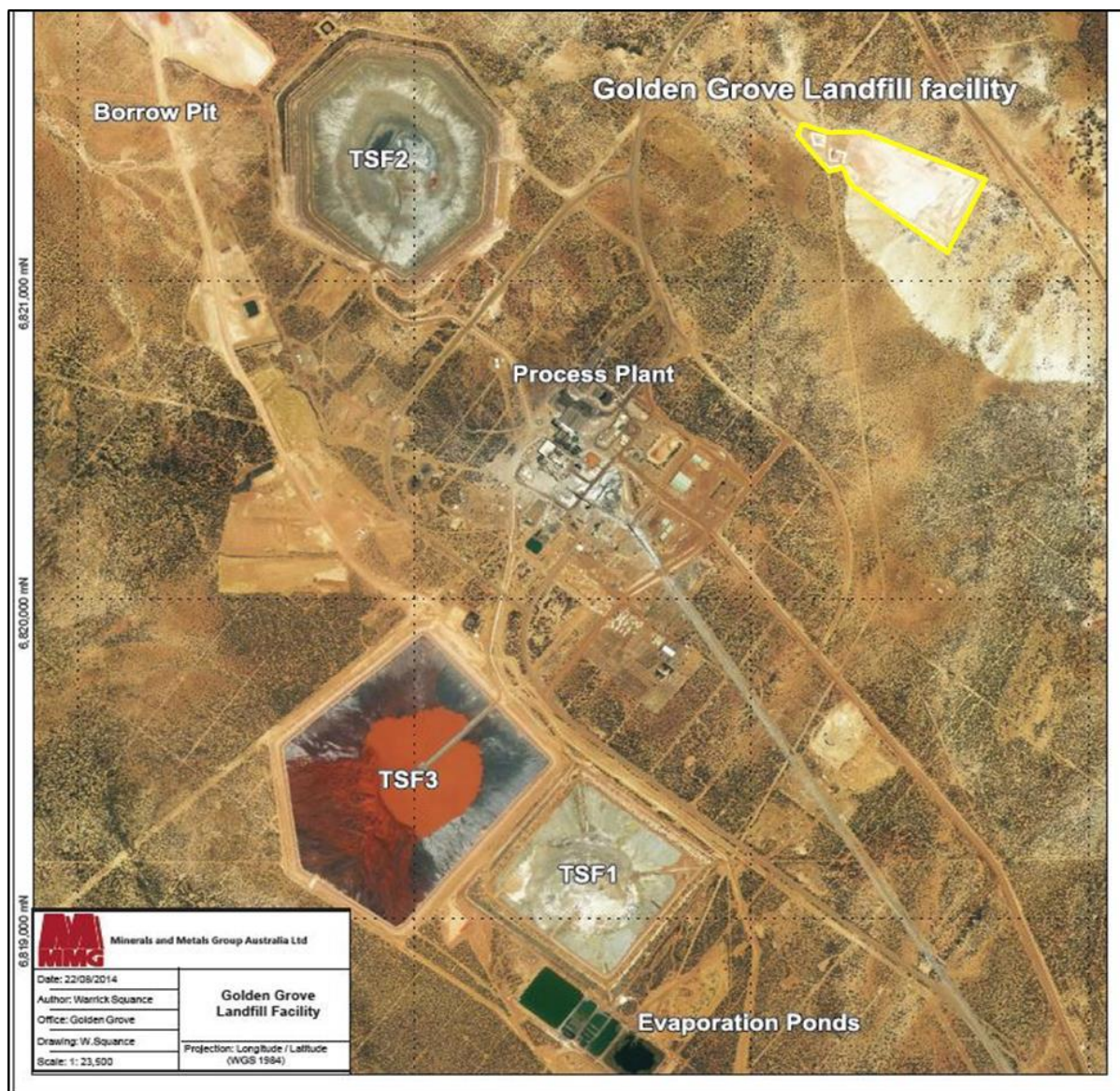


Figure 8 – landfill area map

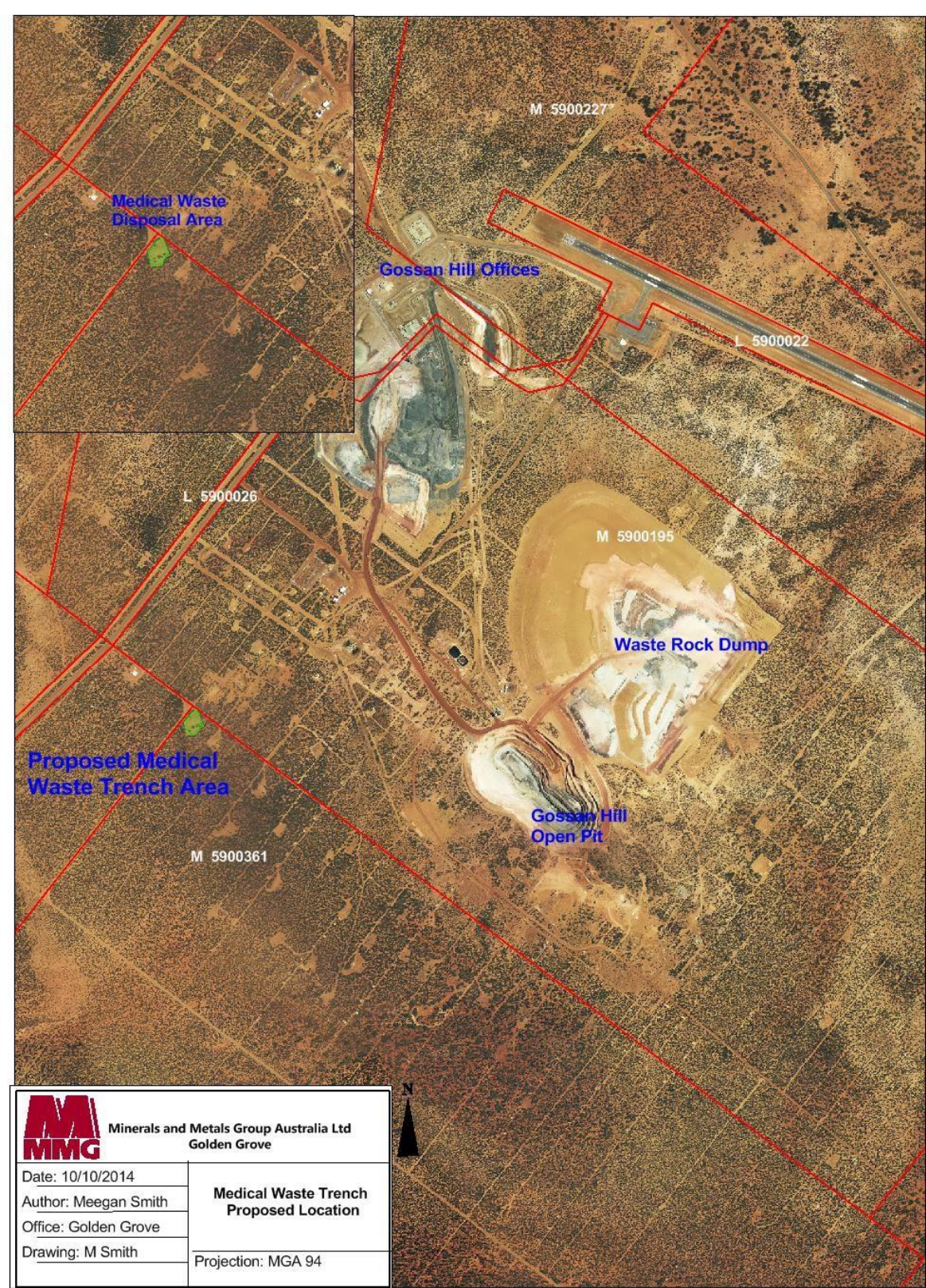


Figure 9 – Medical Waste Trench location.

Schedule 2: Reporting & notification forms

These forms are provided for the proponent to report monitoring and other data required by the Licence. They can be requested in an electronic format.

Licence:	L8593/2011/2	Licence Holder:	EMR Golden Grove Pty Ltd
Form:	WR1	Period:	
Name:	Monitoring of point source emissions to surface water		

Form WR1: Monitoring of point source emissions to surface water

Emission point	Parameter	Limit	Result	Sample date & times
D1	Volumetric flow rate	Not specified		
	pH ¹	$\geq 6.0 \leq 9.0$		
	Electrical Conductivity	N/A		
	Total aluminium	N/A		
	Arsenic	<0.5 mg/L		
	Cadmium	<0.01 mg/L		
	Chromium (Total)	<1.0 mg/L		
	Chromium III	N/A		
	Chromium VI	N/A		
	Copper	<0.4 mg/L		
	Total iron	N/A		
	Lead	<0.1 mg/L		

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	Manganese	N/A		
	Mercury	-		
	Nickel	N/A		
	Selenium	<0.02 mg/L		
	Total Nitrogen (as N)	N/A		
	Nitrate (as NO ₃)	N/A		
	Total phosphorus (as P)	N/A		
	Sulphate	<3800 mg/L		
	TRH	<15 mg/L		
	Total suspended solids	<100 mg/L		
	Total dissolved solids	N/A		
	Total acidity (CaCO ₃)	<40 mg/L		
	Zinc	<20 mg/L		

Signed on behalf of MMG Golden Grove Pty Ltd: Date:

Licence: L8593/2011/2

Licence Holder: EMR Golden Grove Pty Ltd

Form: LR1

Period:

Name: Monitoring of emissions to land

Form LR1: Monitoring of emissions to land					
Emission point	Parameter	Result ¹	Averaging period	Method	Sample date & times
L1	Volumetric flow rate	m ³ /day	-	-	
	pH	mg/L	Spot sample	AS/NZS 5667.10	
	Biochemical oxygen demand	mg/L			
	Total suspended solids	pH units			
	Total nitrogen	mg/L			
	Total phosphorus	mg/L			
	<i>E.coli</i>	cfu/100mL			

Signed on behalf of EMR Golden Grove Pty Ltd: Date:

Licence: L8593/2011/2

Licence Holder: EMR Golden Grove Pty Ltd

Form: GR1

Period:

Name: Monitoring of groundwater

Emission point	Parameter	Limit	Result	Averaging period	Method	Sample date & times
MB11, MB13, MB16 MB18, MB19, MB21 MB22, MB23, MB24 MB46, MB47, GGW50, MB58, MB63, MB64, MB65, MB67, MB68A, MB69, MB70A, MB71A, MB73A, MB74	Arsenic	0.5 mg/L			AS/NZX 5667.11	
	Cadmium	0.01 mg/L				
	Chromium	1.0 mg/L				
	Copper	0.4 mg/L				
	Lead	0.1 mg/L				
	Mercury	-				
	Total nitrogen (as N)	-				
	Nitrate (as NO ₃)	-				
	pH ¹	≥ 6.0 ≤ 9.0				
	Selenium	0.02 mg/L				
	Sulphate	1000 mg/L				
	Total dissolved solids	5000 mg/L				
	Total acidity (CaCO ₃)	40 mg/L				
	Zinc	20 mg/L				

Signed on behalf of EMR Golden Grove Pty Ltd:

Date:

Licence: L8593/2011/2 **Licence Holder:** EMR Golden Grove Pty Ltd

Form: N1 **Date of breach:**

Notification of detection of the breach of a limit.

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	

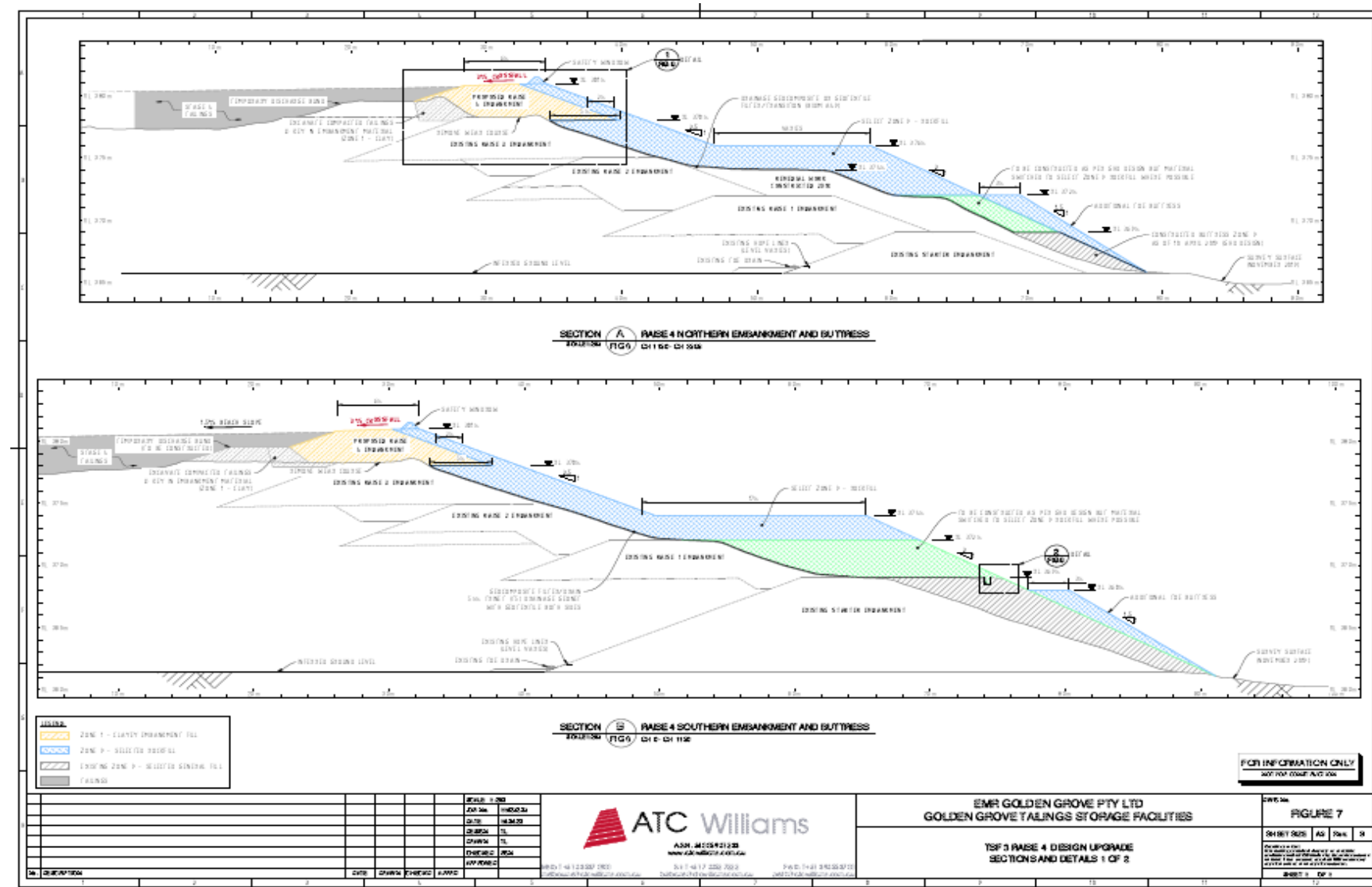
Part B

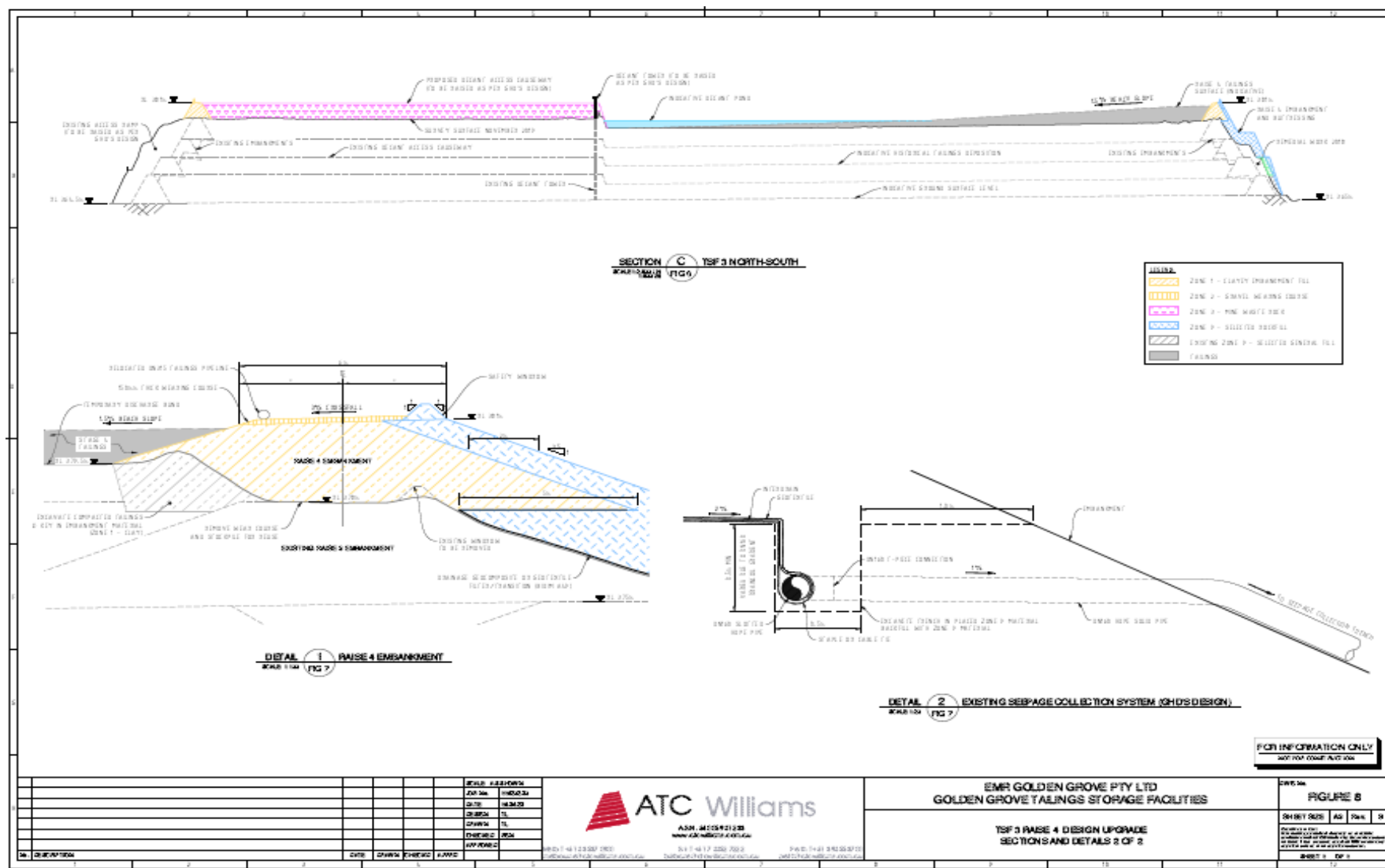
Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident.	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission.	
The dates of any previous N1 notifications for the Premises in the preceding 24 months.	

Name	
Post	
Signature on behalf of EMR Golden Grove Pty Ltd	
Date	

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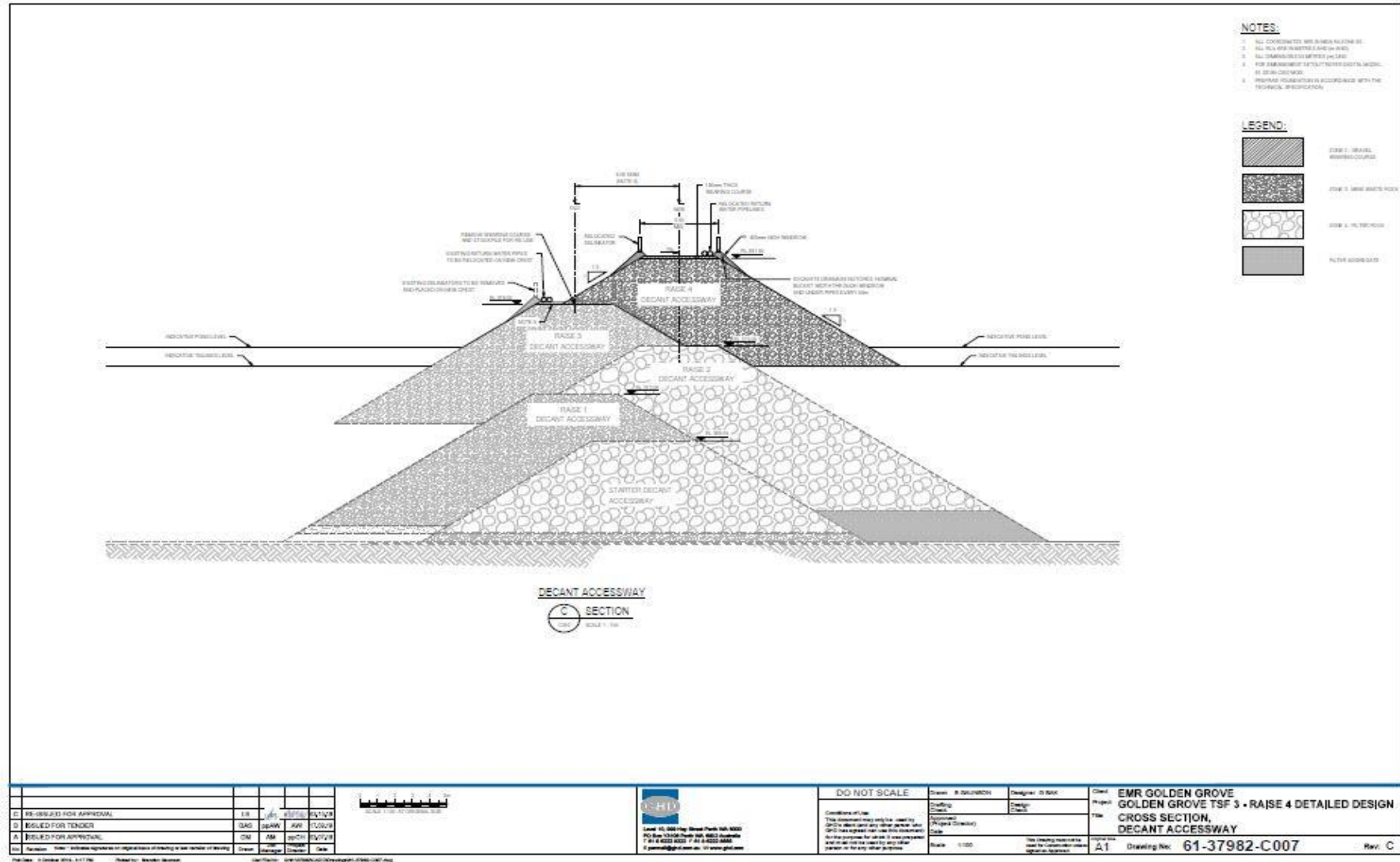




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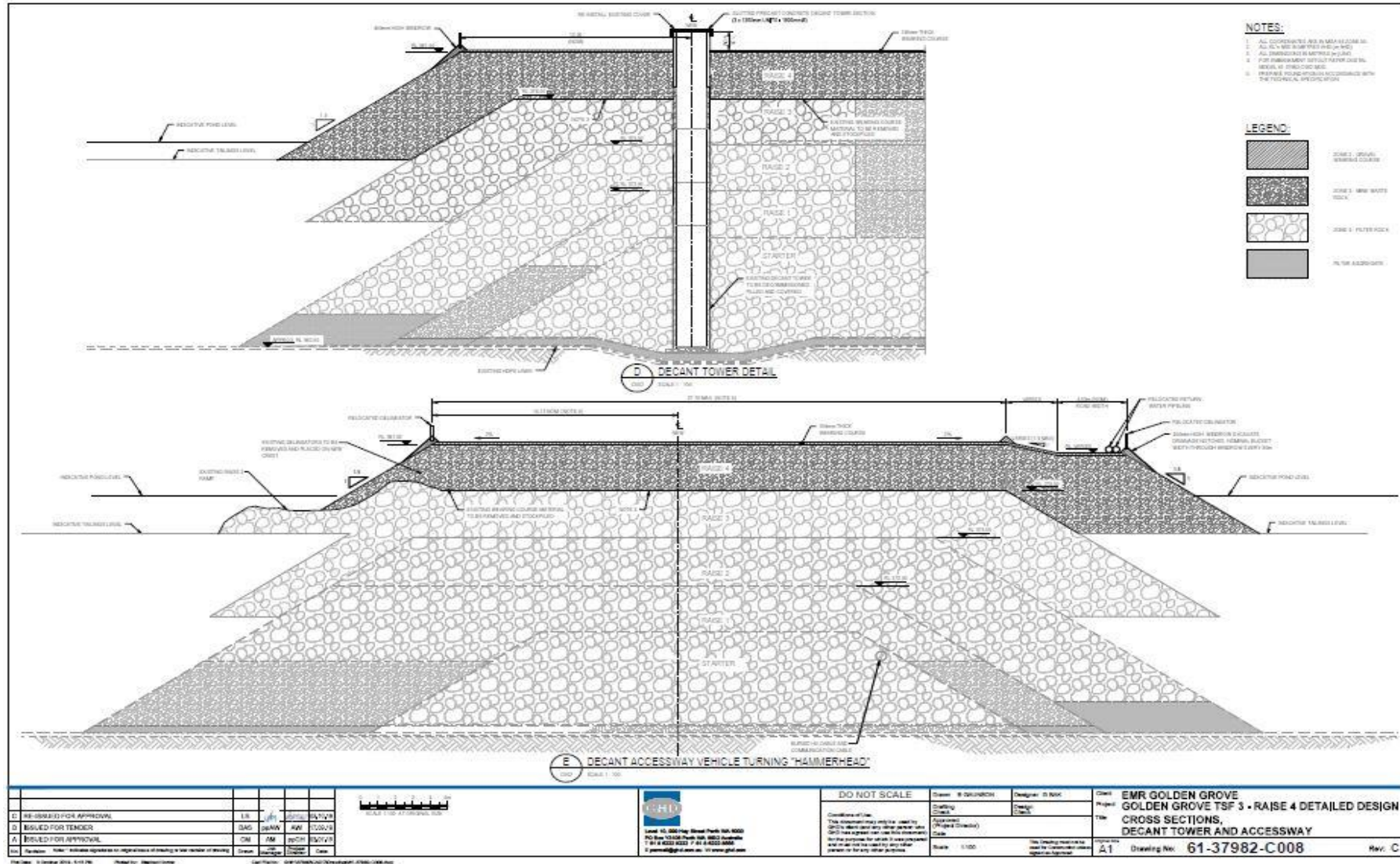
IR-T06 Licence template (v7.0) (February 2020)



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Date of Amendment : TBA June 2020

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L8593/2011/2

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