Licence

Licence Number	L8578/2011/1
Licence Holder	Regis Resources Limited
ACN	009 174 761
Registered business address	Level 2, 516 Hay Street SUBIACO WA 6008
File Number	2011/003002
Duration	17/02/2012 to 16/02/2022
Date of amendment	07/02/2020
Prescribed Premises	Category 5: Processing and beneficiation of metallic or non-metallic ore Category 6: Mine dewatering Category 52: Power generation Category 54: Sewage facility Category 64: Putrescible landfill Category 73: Bulk storage of chemicals As defined in Schedule 2
Premises	Garden well Gold Project Legal description - Mining tenements M38/343, M38/250, M38/237, M38/352, M38/1249, M38/1250, M38/1257, M38/283, M38/1251, M38/292, M38/630, M38/114, M38/341, M38/1277, L38/201, L38/202, L38/203 and L38/204 As depicted in Schedule 1

This Licence is granted to the Licence Holder, subject to the following conditions, on 7 February 2020, by:

Lauren Fox 2020.02.07 07:13:14 +08'00'

Lauren Fox
A/MANAGER – RESOURCE INDUSTRIES
an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

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 regulates 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/Licensee 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: http://www.slp.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

Regis Resources Limited (Regis) is an Australian mineral exploration and mining company with significant gold and nickel exploration properties in the eastern Goldfields including the Garden Well operations. Garden Well is located approximately 90 km north of Laverton.

The project area is located along the eastern boundary of a large catchment which has a well-developed drainage system flowing towards Lake Irwin and other salt lakes to the southwest. The Garden Well area overlies the headwaters of a tributary to Borodale Creek. This southward draining system forms part of the Carey paleoriver system. There is no permanent surface water within or near the Garden Well area. A number of drainage lines occur at the Garden Well site but these are shallow and ephemeral in nature. These drainage lines generally support mulga woodlands.

Garden Well is located within the Lake Carey Ground Water Management Unit. Ground water at Garden Well is developed in palaeochannel sediments. Adjacent to the Garden Well TSF, ground water lies as shallow as 4.40 mbgl. Ground water salinity ranges from potable [>1000 mg/L total dissolved solids (TDS)] to 11,000 mg/L TDS.

The vegetation within the project area has been previously disturbed by mining exploration activities and grazing. Regis undertook a Level 2 flora survey as directed by the Environmental Protection Authority's (EPA) Guidance Statement No. 51 in 2012. Results showed no Threatened Ecological Communities (TEC) or Declared Rare Flora (DRF) species within the project area. Two Priority 4 flora species (Baeckea spp. and Eremophila pungens) occur in the area. A Level 2 fauna risk assessment was also undertaken for the site with no fauna of conservation significance identified.

Operations on site include the Garden Well processing plant and the Rosemont processing plant. The Rosemont plant is used as a crushing and milling facility only, with no chemical gold extraction process. Ore slurry is pumped to the Garden Well processing plant where it undergoes gold cyanidation in the Garden Well CIL system. The combined processing capacity of the two plants is 8 million tonnes per annum. Other infrastructure on site includes a tailings storage facility, sewage facility, putrescibles landfill, bulk storage of chemicals, electrical power generator and mine dewatering.

Amendment February 2020

An amendment application was submitted by the Licence Holder to DWER on 3 December 2019. This amendment is to extend the expiry date from 16 February 2020 to 16 February 2022.

During this amendment, a consolidation of changes made under Amendment Notices issued between 2016 and 2019 (as detailed in the instrument log below) will occur.

In consolidating the licence, the CEO has:

- updated the format and appearance of the Licence;
- deleted the redundant AACR form set out in Schedule 2 of the previous licence and advise the Licensee to obtain the form from the Department's website;
- revised licence condition numbers, removed any redundant conditions and realigned condition numbers for numerical consistency; and
- corrected clerical mistakes and unintentional errors.

The licences and works approvals issued for the Premises since 4 July 2011 are:

Instrument log		
Instrument	**Issued**	**Description**
W4926/2011/1	4 July 2011	Issued works approval for categories 5, 52, 64, 73 and 85
W5113/2011/1	3 February 2012	Issued works approval for category 6
L8578/2011/1	17 February 2012	Issued licence for category 6
L8578/2011/1	17 August 2012	Amended licence for categories 5, 52, 64, 73 and 85
W5307/2012/1	11 January 2013	Issued works approval for categories 5, 52, 54, 64 and 73
L8578/2011/1	19 December 2013	Amended licence for categories 5, 52, 64 and 73
L8578/2011/1	22 May 2014	Licence amendment to increase processing plant throughput and conversion to current format.
L8578/2011/1	6 November 2014	Licence amendment to remove conditions 1.3.10 to 1.3.14
L8578/2011/1	4 February 2016	Licence amendment to include Type 2 inert waste.
L8578/2011/1	11 November 2016	Amendment Notice 1 for construction of TSF2
L8578/2011/1	10 February 2017	Amendment Notice 2 for three lifts to TSF1
L8578/2011/1	28 March 2019	Amendment Notice 3 for the following" -construction of TSF3 -increase in diesel powered generators; -upgrade to the waste water treatment plant from 400 to 600 people; -add tenement M38/1277 and remove L38/212 and L38/219; -remove 7 monitoring bore locations around TSF1; and -add 5 monitoring bore locations around TSF3
L8578/2011/1	7 February 2020	Amendment to extend the expiry date by 24 months and to amalgamate the Amendment Notices into one document.

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 For the purposes of this Licence, unless the contrary intention appears:

'AACR' means Annual Audit Compliance Report, a report in a format approved by the CEO as presented by the Licensee or as specified by the CEO from time to time and published on the Department's website and a copy of the AACR from accessible from the DWER website;

'ACN' means Australian Company Number;

'Act' means the *Environmental Protection Act 1986;*

'Annual Period' means the inclusive period from 1 January until 31 December in the same year;

'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 5667.4' means the Australian Standard AS/NZS 5667.4 *Water Quality – Sampling – Guidance on sampling from lakes, natural and man-made;*

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

'AS/NZS 5667.11' means the Australian Standard AS/NZS 5667.11 *Water Quality – Sampling – Guidance on sampling of groundwaters;*

'averaging period' means the time over which a limit is measured or a monitoring result is obtained;

'CEO' means Chief Executive Officer of the Department of Water and Environmental Regulation;

'CEO' for the purpose of correspondence means;

Chief Executive Officer
Department Administering the *Environmental Protection Act 1986*
Locked Bag 10
JOONDALUP DC WA 6027

Email: info@der.wa.gov.au

'controlled waste' has the definition in *Environmental Protection (Controlled Waste) Regulations 2004*;

'DWER' means Department of Water and Environmental Regulation;

freeboard' means the distance between the maximum water surface elevations and the top of retaining banks or structures at their lowest point;

'Licence' means this Licence numbered L8578/2011/1 and issued under the Act;

'Licensee' means the person or organisation named as Licensee 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;

'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; and

'TSF' means tailings storage facility.

1.1.3 Any reference to an Australian or other standard in the Licence means the relevant parts of the standard in force from time to time during the term of this Licence.

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.

1.1.5 Nothing in the Licence shall be taken to authorise any emission that is not mentioned in the Licence, where the emission amounts to:
(a) pollution;
(b) unreasonable emission;
(c) discharge of waste in circumstances likely to cause pollution; or
(d) being contrary to any written law.

1.2 Premises operation

1.2.1 The Licensee shall only accept waste onto 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

Facility	Waste type	Quantity limit	Specification[1]
Landfill	Clean fill	240 tonnes per year	None specified

	Type 1 inert waste		
	Type 2 inert waste		
	Putrescible waste		
	Contaminated solid waste		
Wastewater treatment plant	Sewage	198 m^3 per day	Accepted through sewer inflow(s) only

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 Licensee shall ensure that where waste does not comply with condition 1.2.1 it is removed from the Premises by the delivery vehicle or, where that is not possible, stored in a segregated storage area or container and removed to an appropriately authorised facility as soon as practicable.

1.2.3 The Licensee shall ensure that wastes accepted onto the Premises are only subjected to the processes 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	Processes	Process limits[1]
Clean fill	Receipt, handling and disposal of waste by landfilling	<u>All waste types</u> Disposal of waste by landfilling shall only take place within the landfill area shown on the maps in Schedule 1. The separation distance between the base of the landfill and the highest groundwater level shall be not less than 3 metres. No waste shall be temporarily stored or landfilled within 35 metres from the boundary of the Premises.
Type 1 inert waste		
Putrescible waste		
Contaminated solid waste		
Type 2 inert waste		

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

1.2.4 The Licensee 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

Waste type	Cover requirements
Putrescible wastes	To be covered by the end of the working day in which the waste was deposited with sufficient quantities of Type 1 inert waste, clean fill or other appropriate cover material to prevent the spread of fire and harbouring of disease vectors.
Inert waste type 1	No cover required

Inert waste type 2	Minimum depth of 500 mm of clean fill is maintained over the buried tyres following disposal to prevent the spread of fire and harbouring of disease vector.

1.2.5 The Licensee shall ensure that wind-blown waste is contained within the boundary of the Premises and that wind-blown waste is returned to the tipping area on at least a weekly basis.

1.2.6 The Licensee shall manage all wastewater treatment, evaporation ponds such that:
(a) overtopping of the ponds does not occur;
(b) a freeboard equal to, or greater than, 300mm is maintained;
(c) the integrity of the containment infrastructure is maintained; and
(d) vegetation and floating debris (emergent or otherwise) is prevented from encroaching onto pond surfaces or inner pond embankments.

1.2.7 The Licensee shall manage the irrigation of treated wastewater 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; and
(d) irrigation does not occur on land that is waterlogged.

1.2.8 The Licensee shall ensure that tailings, decant water and saline water are only discharged into containment cells with the relevant infrastructure requirements and at the locations specified in Table 1.2.4.

Table 1.2.4 Containment infrastructure

Containment cell or dam number	Material	Infrastructure requirements
TSF 1	Tailings	Constructed in accordance with W4926/2011/1 to achieve a permeability of at least $<10^{-9}$ m/s
TSF 2	Tailings	Maintain a 300 mm freeboard when operating
Rosemont pit	Mine dewater	None specified
Return water dams	Return water from TSF	
Raw water dams	Raw water	

1.2.9 The Licensee shall manage containment cells in Table 1.2.4 such that a minimum top of embankment freeboard of 300mm or a 1 in 100 year/72 hour storm event (whichever is greater) is maintained.

1.2.10 The Licensee shall manage TSFs such that:
(a) a seepage collection and recovery system is provided and used to capture seepage from the TSF; and
(b) seepage is returned to the TSF or re-used in process

1.2.11 The Licensee 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 delivery lines	Visual integrity	Every 12 hours
Return water lines		
Tailings deposition		
Ponding on the surface of the TSF		
Internal embankment freeboard		
External walls of the TSF		
Dewatering pipelines	Visual integrity	Twice daily

1.2.12 The Licensee shall ensure that all pipelines containing environmentally hazardous materials 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 routine inspections.

1.2.13 The Licensee shall undertake an annual water balance for the active TSF. 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 deposition

1.2.14 In relation to the construction of the TSF2 infrastructure, TSF3 infrastructure and the construction of TSF1 lift, the Licensee must construct the infrastructure in Column 1 of Table 1.2.6 at the location specified in Column 2 in accordance with the requirements set out in Column 3.

Table 1.2.6: Infrastructure requirements

Column 1	Column 2	Column 3
Infrastructure	**Location**	**Requirements (design and construction)**
Tailings Storage Facility 2	TSF 2 as depicted in map of emission points and monitoring in Schedule 1.	-Constructed on top of existing waste rock dump adjacent to and south of TSF1 and approximately 1km south-east of the plant. -Facility will be constructed in two stages using downstream construction method. -The embankment crest level of Stage 1 will be RL522m. -The embankment crest level of Stage 2 will be RL532m. -The maximum embankment heights of Stages 1 and 2 will be 10m and 24m respectively. -The facility will be fully lined with non-woven geofabric to act as a filter medium. -The perimeter embankment will be constructed using traffic compacted mine waste with a total crest width of 20m.
Tailings Storage Facility 1 lift		-The embankment crest level of stage 3 will be RL518m. -The embankment crest level of stage 4 will be RL521m. -The embankment crest level of stage 5 will be RL524m. -The perimeter embankment will be constructed using compacted tailings borrowed from within the facility with mine waste capping and a total crest width of 6m.
Tailings Storage Facility 3	TSF3 as depicted in map (Schedule 1)	-Facility will be constructed in stages using a downstream construction method; -Maintain a 300mm freeboard when operating; -Stage 1 embankment crest level will be RL510m; -Stage 2 embankment crest level will be RL520m; -The maximum embankment heights of Stages 1 and 3 will be 14m and 24m respectively (on the north-west side); -The seepage collection system will

		comprise interception drainage pipes connected to a collector pipe. The drainage pipes will be placed within trenches with geotextile (Bidim A34 or approved equivalent) placed at the surrounding interfaces and backfilled with aggregate. Seepage collected will drain by means of gravity to a pumped collection sump. The minimum designated fall of the pipe is 0.5%. The collection sump will be located through the lowest bench of the downstream Zone B embankment at the northwest side of the facility (closest point to Mistake Creek). The recovered seepage water will be pumped onto the adjacent tailings beach and report to the decant system. Geotextile will also be used in the underdrainage network, sump and interception trench. -The perimeter embankment will be constructed using traffic compacted mine waste with a total crest width of 20m.
Groundwater monitoring bores	Indicative locations as depicted in Schedule 1	Installation of monitoring bores: RRLTWPB006, RRLTWPB007, RRLTWPB008, RRLTWPB009 and RRLTWPB010. Removal of monitoring bores: RRLGDTSFMB1A, RRLGDTSFMB8, RRLGDTSFMB9, RRLGDPB025(57), RRLGDPB026, RRLGDPB027 and RRLGDTSFMB021S/D
Wastewater Treatment Plant Submerged aerated filter wastewater treatment plant as detailed in Schedule	As depicted in map in Schedule 1	Tanks to be bunded so to contain volume of 110% of the largest tank
Effluent discharge pipeline	As depicted in map in Schedule 1	-Sample point to be installed at treatment pond prior to discharge to land; -A flow meter to be installed on pipeline to allow discharge volumes to be measured

1.2.15 The Licensee must not depart from the requirements specified in Table 1.2.6 except:

(a) where such departures is minor in nature and does not materially change or

affect the infrastructure; or

(b) where such departure improves the functionality of the infrastructure and does not increase the risks to public health, public amenity or the environment.

1.2.16 If condition 1.2.15 applies, then the Licensee must provide the CEO with a list of departures which are certified as complying with condition 1.2.14.

1.2.17 The Licensee shall submit a construction compliance document to the CEO, following construction of either TSF2 and TSF3 and prior to operation.

1.2.18 The Licensee must ensure the construction compliance document required under condition 1.2.17:

(a) Is certified by a suitably qualified professional engineer or builder stating that each item of infrastructure specified in Table 1.2.7 has been constructed in accordance with the conditions of the Licence with no material defects; and

(b) Be signed by a person authorized to represent the Licensee and contain the printed name and position of that person within the company.

1.2.19 Deposition of tailings is not permitted until the CEO has confirmed in writing that TSF3 has been constructed in accordance with the requirements of Condition 1.2.14.

1.2.20 The Licensee shall operate TSF2 and TSF3 in accordance with the conditions of this Licence, following submission of the construction compliance document required under condition 1.2.17.

1.2.21 The Licensee shall submit a construction compliance document to the CEO, following construction of the TSF1 lift and prior to operation.

1.2.22 The Licensee shall operate TSF1 in accordance with the conditions of this Licence, following submission of the construction compliance document required under condition 1.2.17.

2 Emissions

2.1 General

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

2.2 Emissions to land

2.2.1 The Licensee shall ensure that where waste is emitted to land from the emission points in Table 2.2.1 it is done so in accordance with the conditions of this Licence.

Table 2.2.1: Emissions to land

Emission point reference	Emission point reference on Map of emission points	Description	Source including abatement
L1	Irrigation area	Discharge from wastewater treatment plant to on-site irrigation area	Treated waste water

3 Monitoring

3.1 General monitoring

3.1.1 The Licensee shall record and investigate the exceedance of any descriptive or numerical limit or target specified in any part of section 3 of this Licence.

3.1.2 The licensee 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, AS/NZS 5667.6 or AS/NZS 5667.9 as relevant;
(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.

3.1.3 The Licensee 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 emissions to land

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

Table 3.2.1: Monitoring of water quality prior to discharge into oxidation ponds and emissions to land

Emission point reference	Parameter	Units	Frequency
L1 Monitoring point of the receiving pond L2 Monitoring point prior to discharge to land	Biological oxygen demand	mg/L	Quarterly
	Total suspended solids		
	pH		
	Total nitrogen		
	Total phosphorus		
	E. coli	cfu/100mL	

3.3 Process monitoring

3.3.1 The Licensee shall undertake the monitoring in Table 3.3.1 according to the specifications in that table.

Table 3.3.1: Process monitoring					
Monitoring point reference	**Process description**	**Units**	**Limit**	**Frequency**	**Method**
Mine dewater discharging to Rosemont pit	Cumulative volumes (discharging from Garden Well pit to Rosemont pit)	m^3		Monthly (if discharging)	None specified
	Standing water level	mbgl	4		
WWTP evaporation /oxidation ponds	Cumulative volumes of treated waste water discharged to evaporation basin	m^3		Quarterly	None specified
Tailings deposition	Volumes of tailings deposited into the TSF	kL	-	Continuous	None specified
	Volumes of water recovered from the TSF				
	Volumes of seepage recovered and reused at Process Plant				

3.4 Ambient environmental quality monitoring

3.4.1 The Licensee shall undertake the monitoring in Table 3.4.1 according to the specifications in that table and record and investigate results that do not meet any limit specified.

Table 3.4.1: Monitoring of ambient groundwater quality					
Monitoring point reference and location	**Parameter**	**Limit**	**Units**	**Averaging period**	**Frequency**
RRLGDTSFMB1D RRLGDTSFMB1S RRLGDTSFMB3D RRLGDTSFMB3S RRLGDTSFMB4D RRLGDTSFMB4S RRLGDPB027 RRLGDPB026 RRLGDTSFMB7D RRLGDTSFMB7S RRLGDTSFMB8	Total cyanide	-	mg/L	Spot sample	
	WAD cyanide	0.5	mg/L		
	pH*	-	-		
	Electrical conductivity	-	mS/m		
	Total dissolved solids, As, Sb, Hg, Ni, Fe, Pb, Na, K, Ca, Mg, Zn, Cu, Cr, Co, Mn, U, NO_3, SO_4, HCO_3, CO_3, Cl	-	mg/L		

RRLGDTSFMB9 RRLGDTSFMB20S/D RRLGDTSFMB21S/D RRLGDTSFMB22S/D RRLGDTSFMB23S/D RRLGDTSFMB24S/D RRLTWPB006 RRLTWPB007 RRLTWP008 RRLTWPB009 RRLTWPB010					

* In-field non-NATA accredited analysis permitted.

3.5 Monitoring bores

3.5.1 The groundwater monitoring bores must be installed in accordance with section 8.2 of Schedule B2 – Guideline on Site Characterisation of the National Environmental Protection (Assessment of Site Contamination) Measure 1999 (NEPM).

3.5.2 The Licensee must ensure that the bores are maintained in serviceable condition and are fit for purpose of taking samples of groundwater for monitoring purposes.

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 waters.

4.1.2 The Licensee 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 annual period.

4.1.3 The Licensee 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 Licensee 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
3.2.1	Monitoring of emissions to land	None specified
3.3.1	Process monitoring	None specified
3.4.1	Monitoring of ambient groundwater quality	None specified
4.1.3	Compliance	Annual Audit Compliance Report (AACR)
4.1.4	Complaints summary	None specified

Note 1: Forms are in Schedule 2

4.2.2 The Licensee shall 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

(b) a list of any original monitoring reports submitted to the Licensee from third parties for the annual period and make these reports available on request.

4.3 Notification

4.3.1 The Licensee shall ensure that the parameters 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)	Parameter	Notification requirement[1]	Format or form[2]
2.1.1	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. Part B: As soon as practicable	N1
-	Any failure or malfunction of any pollution control equipment or any incident,		

	which has caused, is causing or may cause pollution		

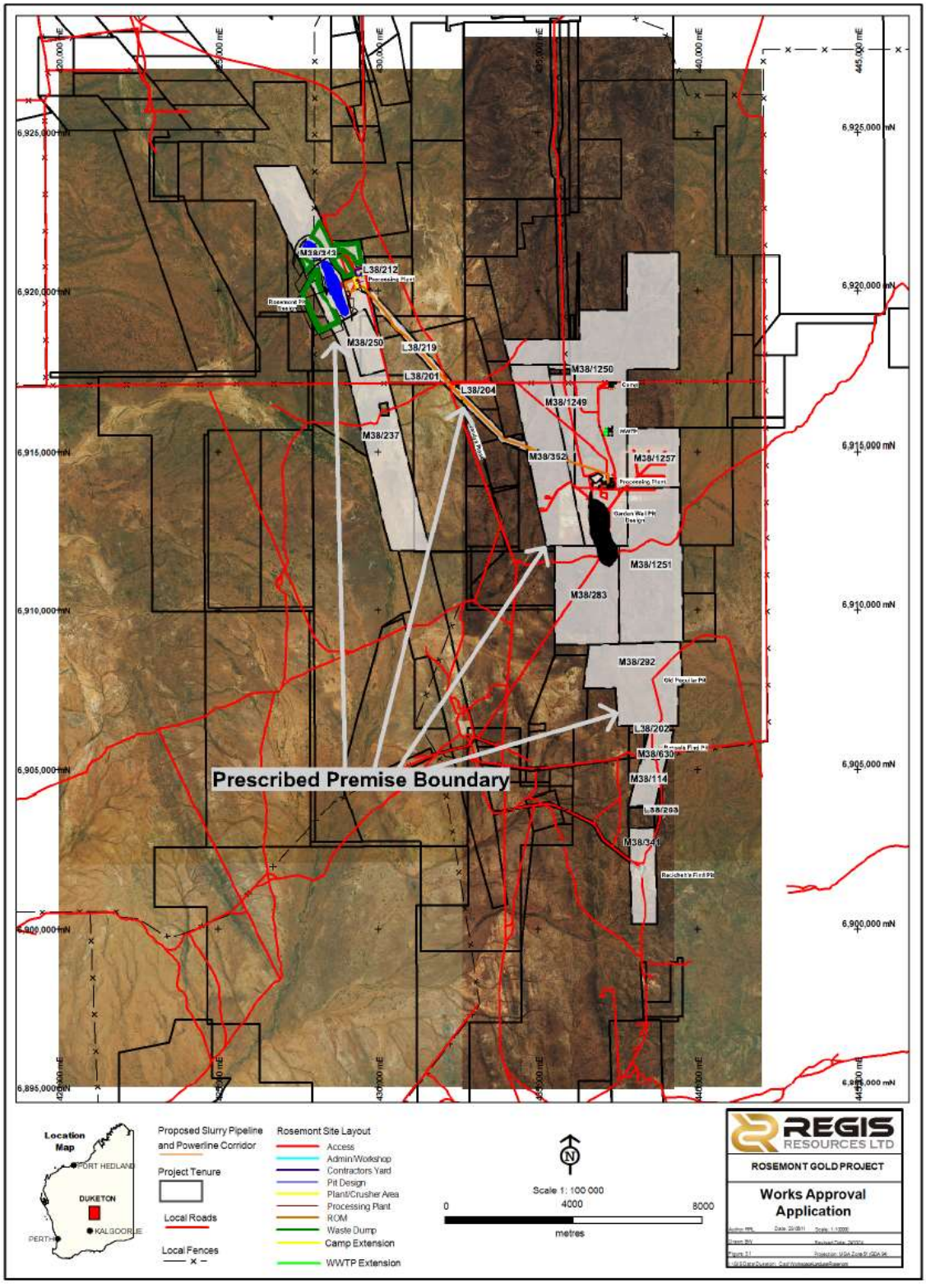
Note 1: Notification requirements in the Licence shall not negate the requirement to comply with s72 of the Act

Note 2: Forms are in Schedule 2

Schedule 1: Maps

Premises map

The Premises are shown in the map below.

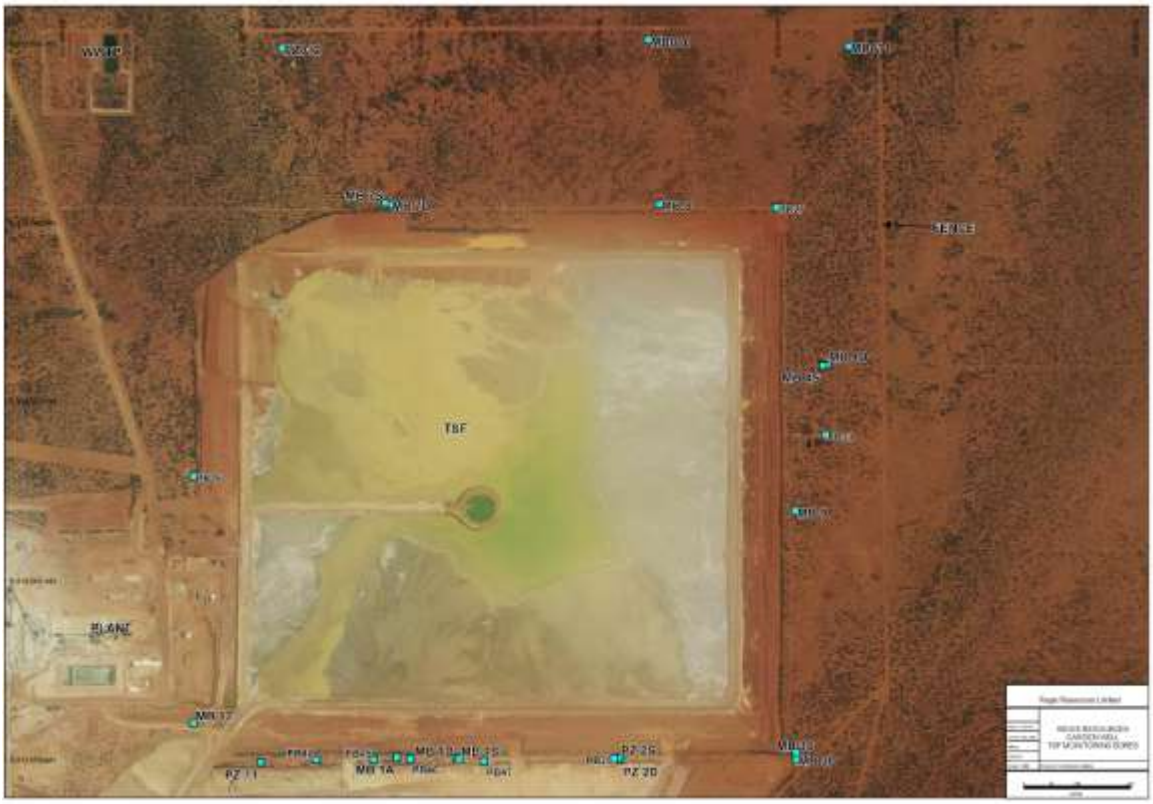


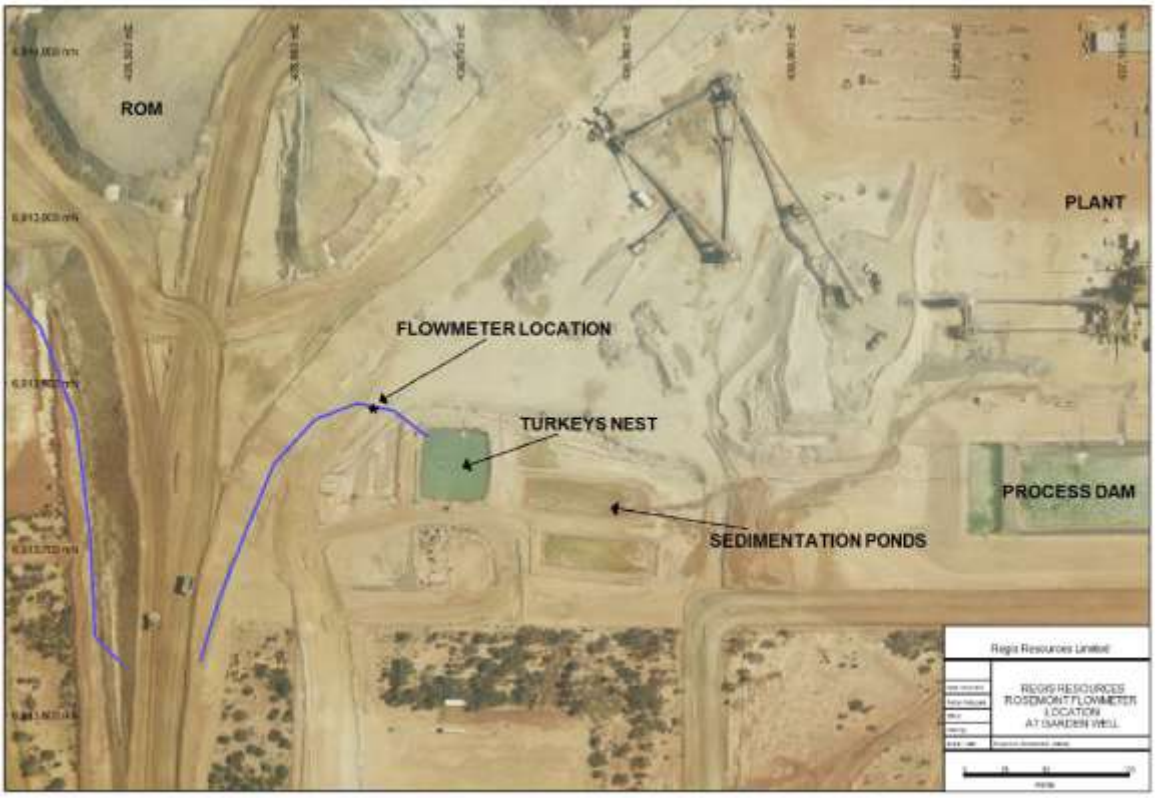
Map of landfills

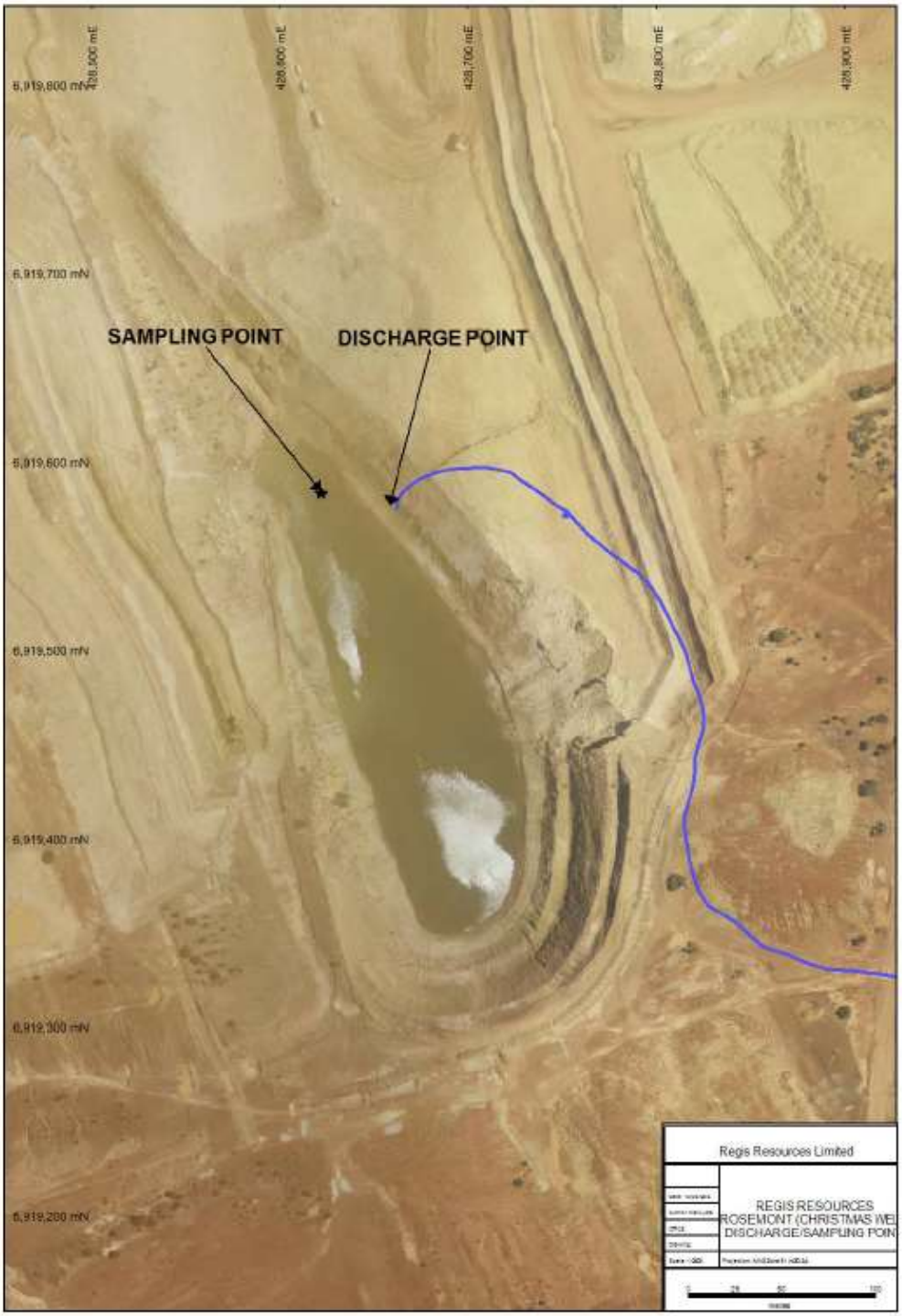
Figure 2 Location of landfill at the Rosemont project

Figure 3 Location of landfill at the Garden Well Gold Project

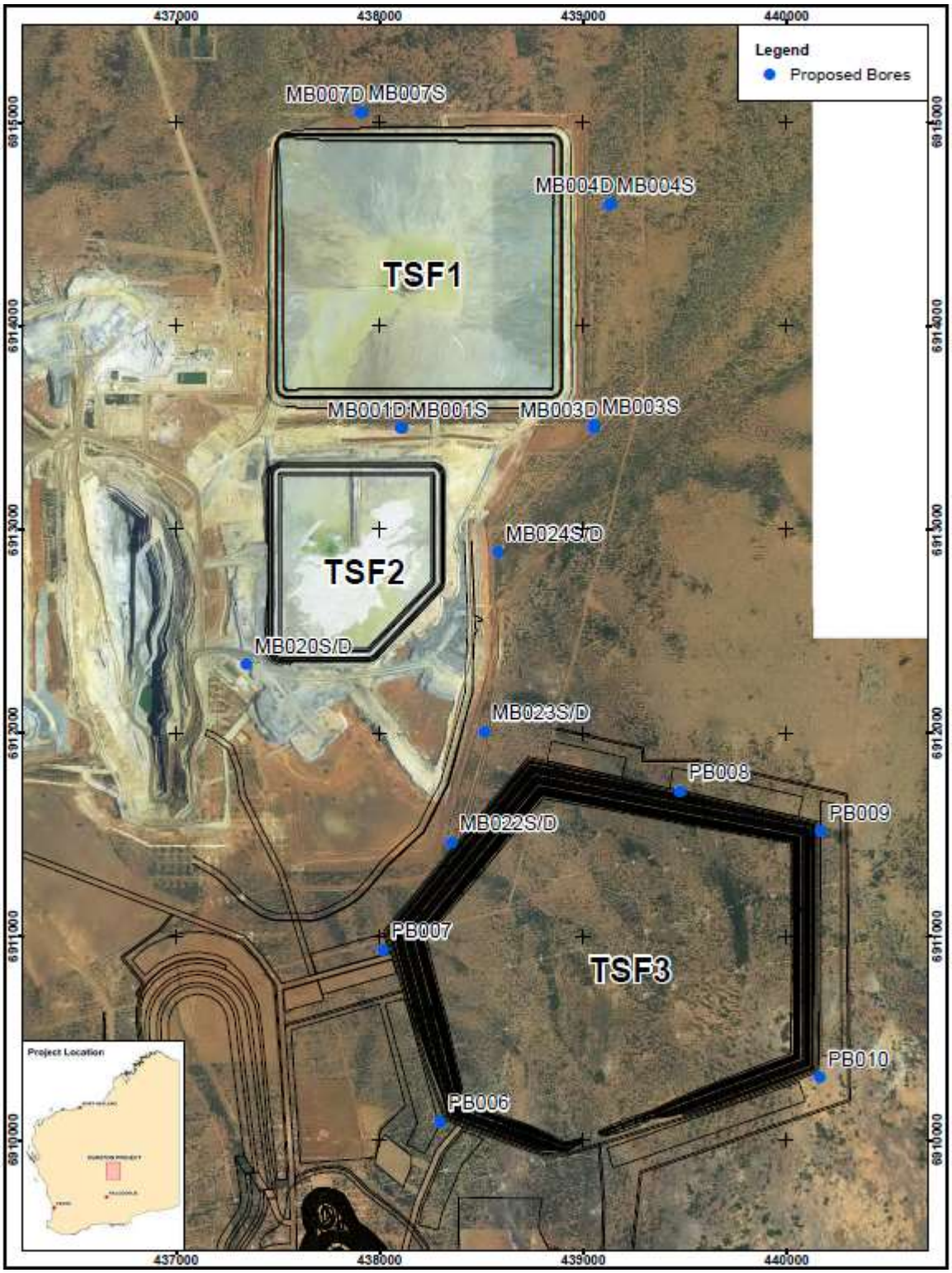
Map of emission points and monitoring locations




ROM
PLANT
FLOWMETER LOCATION
TURKEYS NEST
PROCESS DAM
SEDIMENTATION PONDS
Regis Resources Limited
REGIS RESOURCES
ROSEMONT FLOWMETER
LOCATION
AT GARDEN WELL


428,500 mE
428,600 mE
428,700 mE
428,800 mE
428,900 mE
6,919,800 mN
6,919,700 mN
6,919,600 mN
6,919,500 mN
6,919,400 mN
6,919,300 mN
6,919,200 mN
SAMPLING POINT
DISCHARGE POINT
Regis Resources Limited
REGIS RESOURCES
ROSEMONT (CHRISTMAS WE
DISCHARGE/SAMPLING POIN

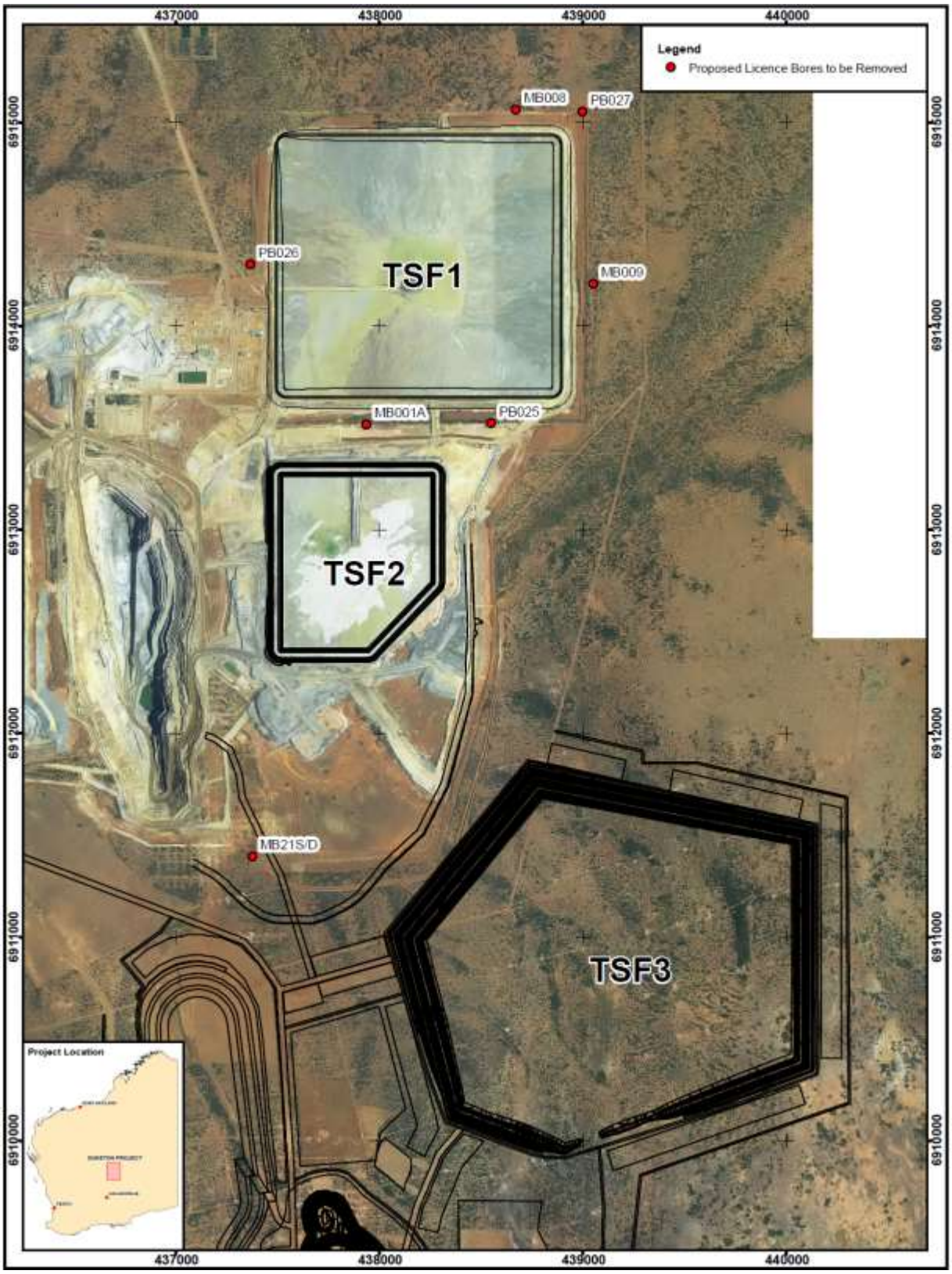
Location of the new TSF3 and new monitoring bores



Lcoation of new generators

WWTP upgrade

Location of the monitoring bores to be removed



Schedule 2: Prescribed Premises categories

The Premises prescribed categories under schedule 1 of *Environmental Protection Regulation 1987*

Prescribed Premises categories

Category number	Category Description	Category production or design capacity	Approved Premises production or design capacity
5	Processing or beneficiation of metallic or non-metallic ore	50 000 tonnes or more per year	8 000 000 tonnes per annual period
6	Mine dewatering	50 000 tonnes or more per year	877 000 tonnes per annual period
52	Electric power generation	50 000 tonnes or more per year	16 MW
54	Sewage facility	100 m^3 or more per day	198 m^3 per day
64	Class II putrescible landfill site	20 tonnes or more per year	240 tonnes per annual period
73	Bulk storage of chemicals, etc	1 000 m^3 in aggregate	1 965 m^3

Schedule 3: Notification & Forms

Licence:	L8578/2011/1	Licensee:	Regis Resources Limited
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 Regis Resources Limited	
Date	