



Licence number	L9329/2022/1
Licence holder	Penny Operations Pty Ltd.
ACN	618 514 944
Registered business address	Level 1 130 Royal Street EAST PERTH WA 6004
DWER file number	INS-0002201
Duration	1/07/2022 to 1/09/2032
Date of issue	1/07/2022
Amendment date	14/10/2025
Premises details	Penny Gold Project M57/180 and M57/196 Shire of Sandstone 6639

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed design capacity
Category 6 - Mine dewatering: premises on which water is extracted and discharged into the environment to allow mining of ore.	100,000 tonnes per annual period
Category 64 - Class II putrescible landfill site: premises (other than clean fill premises) on which waste of a type permitted for disposal for this category of prescribed premises, in accordance with the Landfill Waste Classification and Waste Definitions 1996, is accepted for burial.	5,000 tonnes per annual period
Category 85 – Sewage facility: premises — (a) on which sewage is treated (excluding septic tanks); or (b) from which treated sewage is discharged onto land or into waters.	50 cubic meters per day

This licence is granted to the licence holder, subject to the attached conditions, on 14 October 2025, by:

**SENIOR MANAGER, RESOURCE INDUSTRIES
STATE-WIDE DELIVERY (ENVIRONMENTAL REGULATION)**
Officer delegated under section 20 of the *Environmental Protection Act 1986*

Licence history

Date	Reference number	Summary of changes
23/03/2021	W6503/2021/1	New works approval application for construction of prescribed premises
01/07/2022	L9329/2022/1	Licence granted.
14/10/2025	L9329/2022/1	- Amendment to increase design capacity of Category 64 to 5,000 tonnes per annual period. - Amendment to construct and operate a new putrescible landfill site under Category 64.

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;
- (a) unless specified otherwise, any reference to a section of an Act refers to that section of the EP Act; and
- (b) 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:

General conditions

Infrastructure and equipment (operation)

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

Table 1: Infrastructure, operational requirements, and location

Item	Site infrastructure	Operational requirement	Infrastructure location
1	Ecofarmer 250 wastewater treatment plant (WWTP) and pipelines	(a) Maintain the WWTP and pipelines in good working order to prevent and manage leaks and spills; (b) Flow meters must be maintained on the WWTP inlet and outlet to the irrigation spray field to ensure approved volume to irrigation field is not exceeded; (c) Sludge must be contained within sealed sludge tanks prior to removal by a licensed waste carrier for disposal to an appropriately authorised facility; (d) Spills of wastewater or chemicals outside of a vessel/container must be cleaned up immediately; and (e) Pipelines must be inspected weekly to check for damages, ruptures and/or leaks.	Schedule 1 as depicted in Figure 1, Figure 2 and Figure 3
2	Irrigation sprayfield	(a) Wastewater effluent that is discharged to the irrigation area to meet the limits as prescribed in Condition 5; (b) No generated runoff or discharge occurs beyond the boundary of the WWTP sprayfield; and (c) Wastewater is evenly distributed over the irrigation area, and that no ponding or pooling occurs.	Schedule 1 as depicted in Figure 1, Figure 2 and Figure 3
3	Landfill trenches – Northern Landfill trenches and Penny West Landfill	Must ensure that the Northern Landfill trenches (Figure 1 and Figure 2) are operated in accordance with the following requirements:	Schedule 1 as depicted in Figure 1, Figure 2 and Figure 5

Item	Site infrastructure	Operational requirement	Infrastructure location
		(a) Class II putrescible waste to be disposed to the fenced landfills trenches; (b) Trenches are to not exceed dimensions: 90 m long, 2 m wide and 2 m deep; (c) The following wastes can be disposed of to the landfill trenches; - Inert waste type 1; - Putrescible waste; and - Waste meeting the acceptance criteria for Class II landfill cells. Must ensure that the Penny West Landfill (Figure 5) is operated in accordance with the following requirements; (a) The cell will not exceed dimensions: 100 m long 50 m wide and 5 m deep; (b) Visual inspections will be conducted weekly with any emissions reported to site manager; (c) The landfill will be backfilled as it fills up and each new cell must be constructed with compacted clay materials; and (d) All reasonable and practical measures must be taken to ensure that no seepage and contaminated runoff escapes from the premises, (e) The following wastes can be disposed of to the landfill trenches; - Inert waste type 2; - Putrescible waste; and - Waste meeting the acceptance criteria for Class II landfill cells. Must ensure that all landfill trenches are operated in accordance with the following requirements (a) Where waste cannot be disposed of to landfill it must be removed from the premises for disposal at an appropriately licensed facility; (b) No stockpiling of waste is to occur, with the exception of Item 4: used tyre storage (c) The active disposal faces must be minimised, and deposited wastes must be covered at least fortnightly; and	

Item	Site infrastructure	Operational requirement	Infrastructure location
		(d) All reasonable and practical measures must be taken to ensure that no windblown waste escapes from the premises and that wind-blown waste is collected on at least a fortnightly basis and returned to the tipping area.	
4	Used tyre storage – Penny West Landfill	Must ensure that used tyres are stored in accordance with the following requirements: (a) No more than 99 tyres must be stored¹ at the landfill area as depicted in Figure 5 at any one time; (b) Tyres should be stored in stacks that are no more than 60 m² and 3.7 m high; (c) Tyres must be arranged in an overlapping manner to create a woven or laced arrangement; (d) Stacks of tyres should have a minimum spacing of 2.5 m between the base of each stack; and (e) There must be a minimum spacing of 18 m between every four stacks of tyres. Note 1: limited to temporary storage prior to disposal to the used tyre disposal cell.	Schedule 1 as depicted in Figure 5
5	Used tyre disposal cell – Penny West Landfill	(a) Used tyres are only to be disposed in the specified cell in the Penny West landfill (as shown in Figure 5) (b) Tyres are to be laid horizontally for burial; (c) A 3 m trafficable firebreak must be maintained around the perimeter of the landfill and allow for emergency vehicle access. (d) Tyres must be covered with a minimum of 100 mm of clean fill material on a fortnightly basis; and (e) Other requirements for landfilling tyres are set out in Part 6 of the <i>Environmental Protection Regulations 1987</i>.	Schedule 1 as depicted in Figure 5
6	Dewatering pipelines	(a) Must be inspected weekly to check for damages, ruptures and/or leaks; and	Schedule 1 as depicted in Figure 1

Item	Site infrastructure	Operational requirement	Infrastructure location
		(b) Pipeline and associated bunds must be maintained in good working condition.	
7	Magenta pit	(a) At least a 2.5 m freeboard must be maintained within the Magenta pit; and (b) Must be inspected at least weekly for freeboard capacity.	Schedule 1 as depicted in Figure 1
8	Turkey nest	(a) Must be lined with HDPE; (b) Freeboard of 300 mm or a 1 in 100 year/72-hour storm event (whichever is greater) must be maintained; and (c) Must be inspected at least weekly for freeboard capacity.	Schedule 1 as depicted in Figure 1
9	Bioremediation facility	(a) Only contaminated soil must be accepted to the facility; (b) No more than 1,000 tonnes per annual period of contaminated soil must be processed; and (c) Unauthorised access prevented by a locked access gate.	Schedule 1 as depicted in Figure 1

2. The licence holder must ensure the limits specified in Table 2 are not exceeded.

Table 2: Production or design capacity limits

Category ¹	Premises production or design capacity limits
Category 6 - Mine dewatering	100,000 tonnes per annual period
Category 64 - Class II putrescible landfill site	5,000 tonnes per annual period
Category 85 – Sewage facility	50 cubic meters per day

Note 1: *Environmental Protection Regulations 1987*, Schedule 1.

Emissions

3. The licence holder must ensure that the emissions specified in Table 3 are discharged only from the corresponding discharge point and only at the corresponding discharge point location.

Table 3: Authorised discharge points

Emissions	Discharge point	Discharge point location
Treated effluent	Sprinklers within the irrigation spray field.	As shown in Schedule 1 – Figure 1, Figure 2 and Figure 3
Dewatering water	Magenta pit or turkey's nest	As shown in Schedule 1 – Figure 1
Waste	Northern landfill trenches and Penny West landfill	As shown in Schedule 1 – Figure 2 and Figure 5
Used tyres	Specified tyre cell in Penny West landfill	As shown in Schedule 1 – Figure 5

4. The licence holder shall ensure that any saline dewatering effluent is only used for dust suppression in a manner that minimises damage to surrounding vegetation.
5. The licence holder must ensure that emissions from the discharge point listed in Table 4 for the corresponding parameter do not exceed the corresponding limit when monitored in accordance with condition 6.

Table 4: Emission and discharge limits

Discharge point	Parameter and unit	Limit
Irrigation sprayfield	Total Phosphorus (mg/L)	120 kg/ha/year
	Total Nitrogen (mg/L)	480 kg/ha/year

Monitoring

6. The licence holder must monitor inputs and emissions during operations in accordance with Table 5 and Table 6.

Table 5: Monitoring of inputs

Input	Units	Frequency
(a) Inert waste type 1; (b) Inert waste type 2; (c) Putrescible waste; and (d) Waste meeting the acceptance criteria for Class II landfill cells.	tonnes	Annual records of total waste arriving at the landfills depicted in Figure 1, Figure 2 and Figure 5 in Schedule 1

Table 6: Emissions and discharge monitoring

Monitoring location	Parameter	Unit	Frequency	Method
WWTP outlet	Volumetric flow rate	m ³ /day	Quarterly	Flow metering device
	Biochemical Oxygen Demand	mg/L	Quarterly	Spot sampled in accordance with AS/NZS 5667.1 AS/NZS 5667.10
	Total Suspended Solids	mg/L		
	pH ²	pH units		
	Total Nitrogen	mg/L		
	Total Phosphorus	mg/L		
	Free Chlorine	mg/L		
	Thermo-tolerant Faecal Coliforms	cfu/100 mL		
Magenta pit lake	Standing water level	Meters below pit crest level	Monthly during discharge	N/A
Dewatering pipeline outlet	Total Dissolved Solids	mg/L	Continuous	Spot sampled in accordance with AS/NZS 5667.1 AS/NZS 5667.10
	pH ¹	pH units		
Groundwater monitoring bores COLSR006 and RPWRC042 - As shown in Schedule 1 – Figure 4	Cumulative flow volume	KL		
	Standing water level	m AHD	Quarterly	Spot sampled in accordance with AS/NZS 5667.11
	pH ¹	pH units		
	Total Dissolved Solids	mg/L		

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

7. All sample analysis must be undertaken by laboratories with current accreditation from the National Association of Testing Authorities (NATA) for the relevant parameters, unless otherwise specified in Table 6.

Records and reporting

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

- 8.** The licence holder must maintain accurate and auditable books including the following records, information, reports, and data required by this licence:
- (a) the calculation of fees payable in respect of this licence;
 - (b) any maintenance of infrastructure that is performed in the course of complying with condition 1 of this licence; and
 - (c) complaints received under condition 10 of this licence, and
 - (d) monitoring programs are undertaken in accordance with condition 6 of this licence.
- 9.** The books specified under condition 8 must:
- (a) be legible;
 - (b) if amended, be amended in such a way that the original version(s) and any subsequent amendments remain legible and are capable of retrieval;
 - (c) be retained by the licence holder for the duration of the licence; and
 - (d) be available to be produced to an inspector or the CEO as required.
- 10.** The licence holder must record the following information in relation to complaints received by the licence holder (whether received directly from a complainant or forwarded to them by the department or another party) about any alleged emissions from the premises:
- (a) the name and contact details of the complainant, (if provided);
 - (b) the time and date of the complaint;
 - (c) the complete details of the complaint and any other concerns or other issues raised; and
 - (d) the complete details and dates of any action taken by the licence holder to investigate or respond to any complaint.
- 11.** The licence holder must:
- (a) undertake an audit of their compliance with the conditions of this licence during the preceding annual period; and
 - (b) prepare and submit to the CEO by 30 June each year an Annual Audit Compliance Report, for the preceding annual period, in the approved form.
- 12.** The licence holder must submit to the CEO by 30 June each year an Annual Environmental Report for the preceding annual period for the conditions listed in Table 4, Table 5 and Table 6, and which provides information in accordance with the corresponding requirement(s) set out in Table 7.

Table 7: Annual Environmental Report

Conditions	Requirement
Condition 1	(a) Summary of inspection and maintenance performed
Conditions 5 and 6	(b) Volume (in m ³) of wastewater applied daily to the irrigation area, and monthly cumulative volumes presented in table format; (c) Treated wastewater monitoring data in tabulated and graphical form including the sampling date; (d) Tabulated quarterly and annual loadings of nitrogen and phosphorus applied to the irrigation area; and (e) An assessment and interpretation of the data.
Condition 6	(f) Monthly volume (in tonnes) of water discharge into Magenta pit and turkey's nest; (g) Dewatering pipeline outlet monitoring data in tabulated and graphical form including the sampling date and NATA laboratory reports; (h) Groundwater monitoring bore data in tabulated and graphical form including the sampling date and NATA laboratory reports; (i) Annual records of total waste in accordance with Table 5. (j) An assessment and interpretation of the data.
Condition 10	(k) Complaints summary
Condition 11	(l) Include Annual Audit Compliance Report
N/A	(m) 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

Definitions

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

Table 8: Definitions

Term	Definition
ACN	means 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 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 5667.10-1998	means the Australian/New Zealand Standard: 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
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 Environmental Protection Act 1986 Locked Bag 10 Joondalup DC WA 6919 or: info@dwer.wa.gov.au
cfu/100ml	colony forming unit per 100 millilitres.
class II landfill	has the same meaning given to that term under the <i>Landfill Waste Classification and Waste Definitions 1996</i> .
clean fill	has the same meaning given to that term under the <i>Landfill Waste Classification and Waste Definitions 1996</i> .
department	means the department established under section 35 of the Public Sector Management Act 1994 (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.

Term	Definition
emission	has the same meaning given to that term under the EP Act.
EP Act	<i>Environmental Protection Act 1986 (WA).</i>
EP Regulations	<i>Environmental Protection Regulations 1987 (WA).</i>
inert waste type 1	<i>means non-hazardous, non-biodegradable (half-life greater than two years) wastes containing contaminant concentrations less than Class I landfill acceptance criteria, but excluding paper and cardboard and materials that require treatment to render them inert (e.g. peat, acid sulfate soils).</i>
inert waste type 2	<i>means waste consisting of stable non-biodegradable organic materials such as tyres and plastics which require special management to reduce the potential for fires.</i>
kL	kilolitres.
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.
m AHD	elevation in metres with respect to the Australian Height Datum.
mg/L	milligrams per litre.
mS/cm	microsiemens per centimetre.
NATA	National Association of Testing Authorities.
premises	refers to the premises to which this licence applies, as specified at the front of this licence and as shown on the premises map in Schedule 1 of this licence.
prescribed premises	has the same meaning given to that term under the EP Act.
quarterly	The four periods from 1 January to 31 March; 1 April to 30 June; 1 July to 30 September; 1 October to 31 December.
spot sample	means a discrete sample representative of the time and place at which the sample is taken
waste	has the same meaning given to that term under the EP Act.
WWTP	means Wastewater Treatment Plant.

END OF CONDITIONS

Schedule 1: Maps

Premises map

The premises boundary is shown in Figure 1.

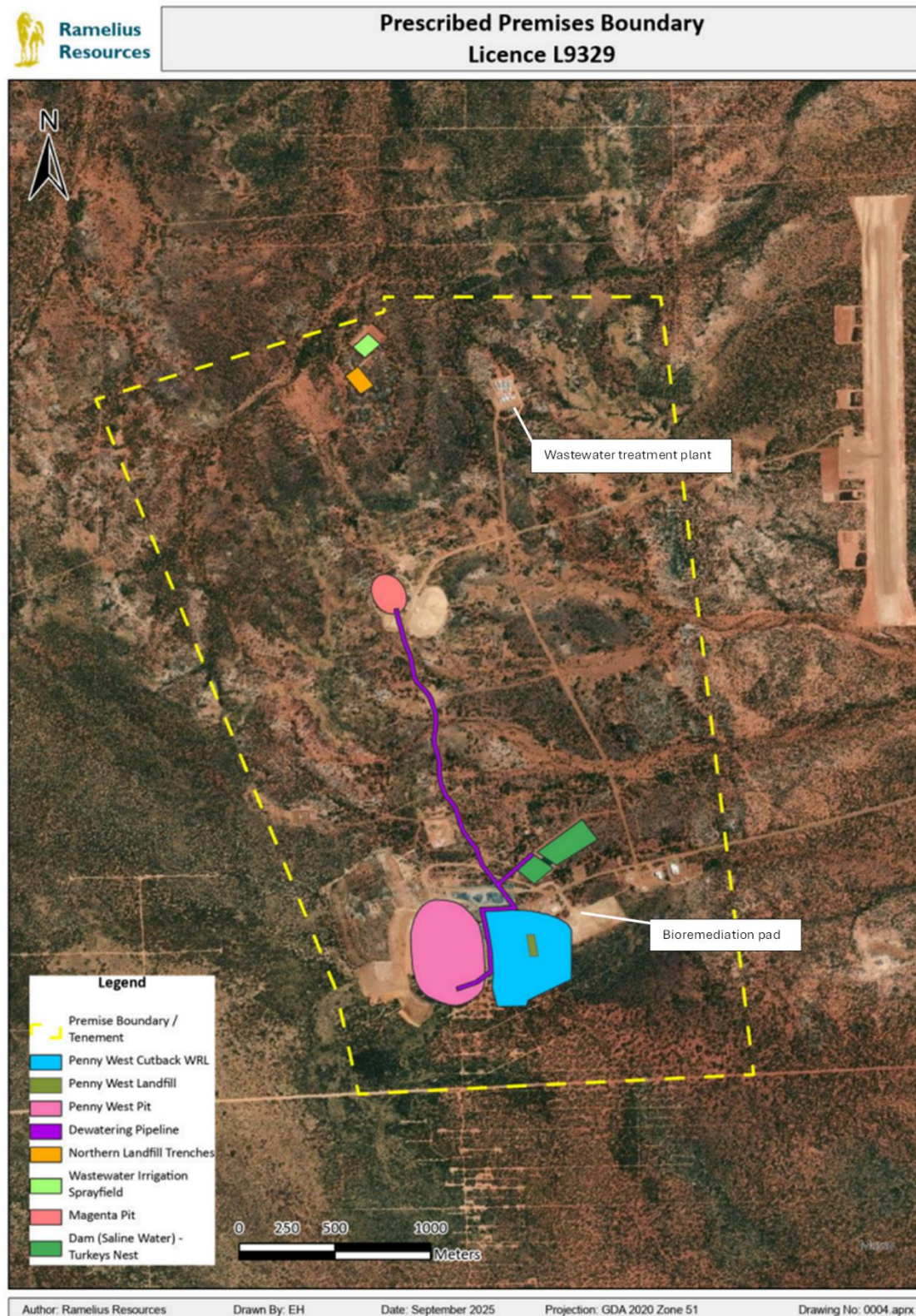


Figure 1: Prescribed premises boundary

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

WWTP, irrigation field and landfill trenches map

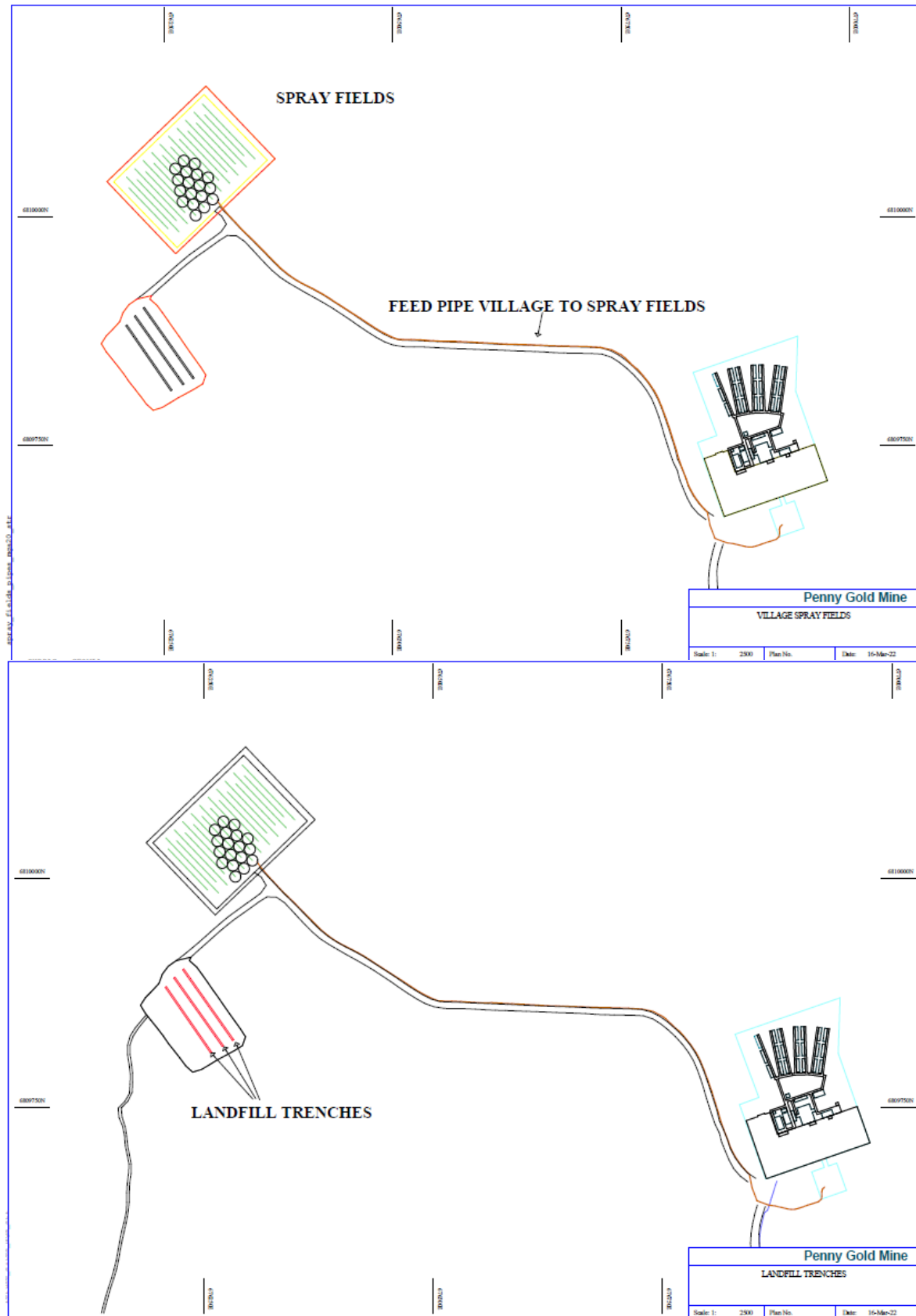


Figure 2: WWTP, irrigation field and Northern landfill trenches

WWTP and sprayfield layout maps

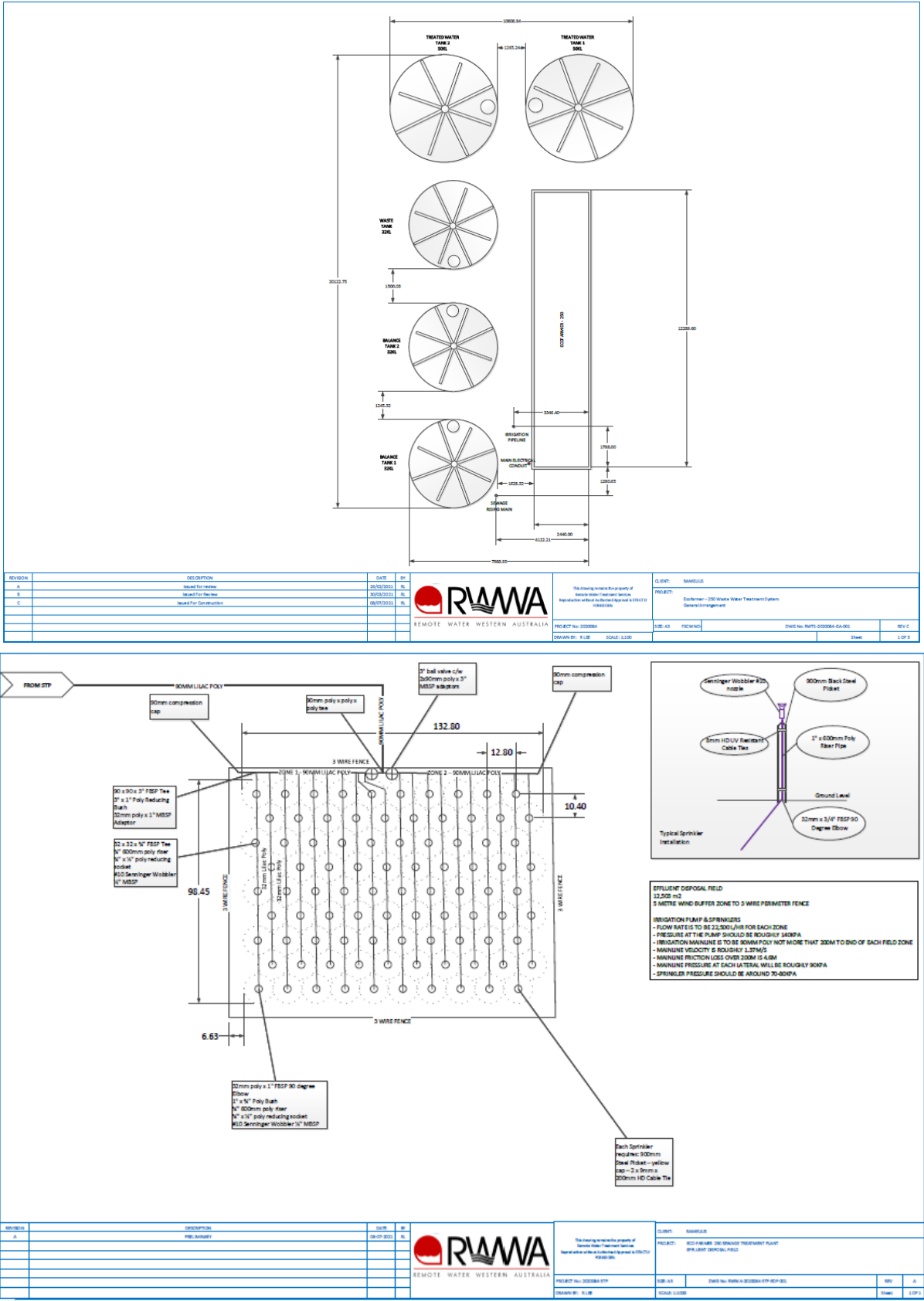


Figure 3: WWTP and sprayfield layout

Magenta pit seepage monitoring bore locations

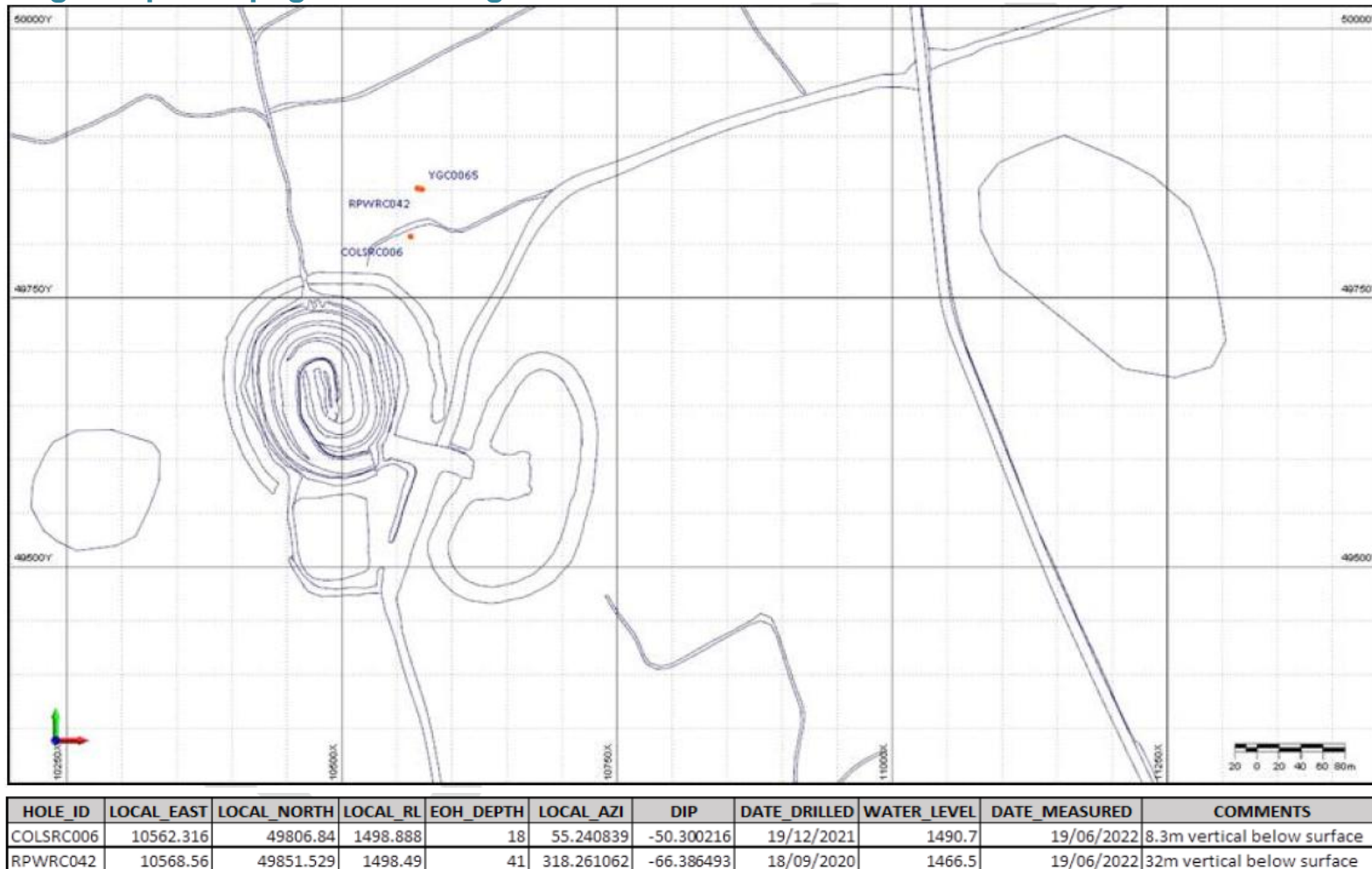


Figure 4: Groundwater monitoring bore locations

DWER note: YGC0065 is the twin hole of RPWRC042 and is not intended for monitoring use.

Penny West landfill site map

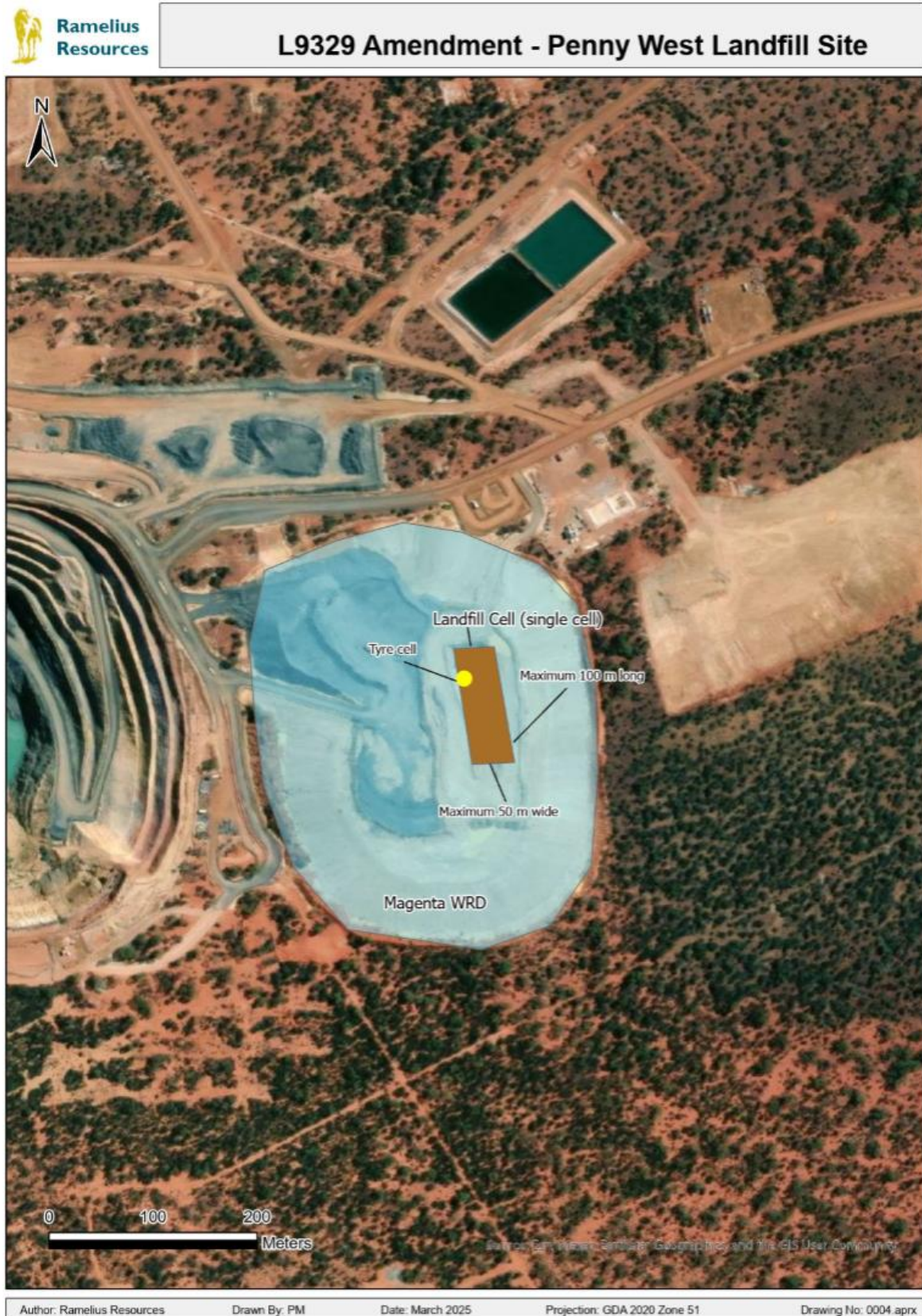


Figure 5: Penny West landfill cell within Magenta WRD.