Government of Western Australia
Department of Water and Environmental Regulation

Revised Works Approval

Works approval number	W6919/2024/1
Works approval holder	Covalent Lithium Pty Ltd
ACN	623 090 139
Registered business address	15 Mason Road KWINANA BEACH WA 6167
DWER file number	DER2024/000078
Duration	22/08/2024 to 21/08/2027
Date of issue	22/08/2024
Date of amendment	7 January 2026
Premises details	Earl Grey Lithium Project Marvel Loch-Forrestania Road MOUNT HOLLAND Legal description Mining Tenement M77/1080 As defined by the Premises map in Schedule 1

Prescribed premises category description (Schedule 1, *Environmental Protection Regulations 1987*)	**Assessed design capacity**
Category 6: Mine dewatering	700,000 tonnes per annum

This works approval is granted to the works approval holder, subject to the attached conditions, on 7 January 2026, by:

Alana Kidd

Digitally signed by Alana Kidd
Date: 2026.01.07 07:55:20 +08'00'

Alana Kidd
MANAGER, GREEN ENERGY

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

Works approval history

Date	Reference number	Environment online number	Summary of changes
22/08/2024	W6919/2024/1		Works approval granted.
04/02/2025	W6919/2024/1	APP-0027152	Works approval amendment to extend Time Limited Operations from 180 calendar days until 25 June 2025 (an additional 120 days).
24/06/2025	W6919/2024/1	APP-0028573	Works approval amendment to extend time limited operations by 7 months until 25 January 2026 and install additional dewatering infrastructure.
07/01/2026	W6919/2024/1	APP-0032365	Works approval amendment to extend time limited operations, and install mechanical evaporators and increase assessed dewatering capacity.

Interpretation

In this works approval:

(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 works approval:

  (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 works approval requires specific conditions to be met but does not provide any implied authorisation for other emissions, discharges, or activities not specified in this works approval.

Works approval conditions

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

Construction phase

Infrastructure and equipment

1. The works approval holder must:

(a) construct and/or install the infrastructure and/or equipment;

(b) in accordance with the corresponding design and construction / installation requirements; and

(c) at the corresponding infrastructure location,

as set out in Table 1.

Table 1: Design and construction / installation requirements

	Infrastructure	Design and construction / installation requirements	Infrastructure location
1.	Dewatering (Delivery) Pipeline	(a) Pipes constructed of Class PE100 high density polyethylene (HDPE) installed above ground; (b) Out-of-pit pipelines to be installed in excavated trench or within a bunded area and graded longitudinally to either the Earl Grey Lithium Pit or the Earl Grey Pit; or if low points exist, in-ground sumps with a minimum capacity of 50 m^3 are to be constructed (to collect water in the event of pipe rupture); (c) Air valve to be positioned at intermediate high point; (d) Scour valve to be positioned at intermediate low point along the pipeline route; and (e) Flow meters to be installed to measure volume of water being discharged to the water storage arrangements, and to measure water discharged to the Earl Grey Pit.	Shown in Schedule 1, Figure 2
2.	In-Pit Sump Pump	(a) In pit sump(s) to be constructed to contain and centralise dewatering water and surface/rainfall flows; (b) Pump to be installed with sufficient capacity to transfer water to pit crest; and (c) Pump to be controlled with float system to pump water when reaches a set level.	Shown in Schedule 1, Figure 2
3.	Standpipe and Pump	(a) Standpipe and pump to be located on hardstand bunded area graded longitudinally towards the Earl Grey Pit.	Shown in Schedule 1, Figure 2 and 3

	Infrastructure	Design and construction / installation requirements	Infrastructure location
4.	Water Storage Tank	(a) Water-tight above ground tank; (b) Up to 1,000kL capacity; (c) Tank to have inlet, outlet and overflow flanges; and (d) Tank overflow to report to a HDPE pipeline that reports to the Earl Grey Pit void at about 445.0 mAHD.	Shown in Schedule 1, Figure 2 and 3
5.	Overflow pipe from water storage arrangement (as referenced in item 4).	(a) Overflow pipeline to be installed in excavated trench or within a bunded area and graded longitudinally to the Earl Grey Pit void.	Shown in Schedule 1, Figure 3
6.	Mechanical evaporators and associated infrastructure including pipelines, and break tanks.	(a) Mechanical evaporators must be installed at an elevation less than 30 degrees to the horizontal. (b) All pipelines from the evaporator feed pumps to the evaporators must be constructed with PE 100 HDPE rated for 10 bar pressure. (c) All pipelines must be constructed within bunded areas that drain spillage back to EGGP. (d) A permeable rock safety bund in front of each pad must be constructed and drain to the EGGP. (e) The high-wall pump must be installed and have a programmable logic controller (PLC) that has the capacity to control low-low and high-high level settings to maintain tank water levels. (f) The highwall pump pad must be constructed with a 2% gradient toward the EGGP. (g) Two 50 kL break tanks must be installed and have overflow and drainage lines returning water to the EGGP. (h) All pipelines and pumps except drain lines installed must have capacity to operate at 75 L/s. (i) The evaporator feed pump must be installed and equipped with low-pressure high RPM shut-off control.	Shown in Schedule 1, Figure 4
7.	Automated weather station including environmental management system	(a) Must be installed to be capable of preventing and stopping the mechanical evaporators from operating in unfavorable weather conditions.	Shown in Schedule 1, Figure 4

	Infrastructure	Design and construction / installation requirements	Infrastructure location
8.	6 kL diesel fuel tank	(a) Must be installed as a self-bunded tank. (b) Must be installed on compacted earthen hardstand. (c) Must be installed and meet Australian standards, AS 1940:2017 – *The Storage and Handling of Flammable and Combustible Liquids.*	Shown in Schedule 1, Figure 4

2. The works approval holder must use water carts to manage dust lift-off from active construction areas to protect the environment by preventing and, where that is not possible, minimising dust emissions that may cause, unreasonable emissions, pollution or environmental harm.

3. The work approval holder must ensure that where dewatering water used in dust suppression activities it is only applied to active construction and laydown areas and associated road networks to avoid spray-drift and surface run-off impacts to adjacent land and vegetation.

Compliance reporting

4. The works approval holder must within 30 calendar days of an item of infrastructure or equipment required by condition 1 being constructed and/or installed:

(a) undertake an audit of their compliance with the requirements of condition 1; and

(b) prepare and submit to the CEO an Environmental Compliance Report(s) on that compliance.

5. The Environmental Compliance Report(s) required by condition 4, must include as a minimum the following:

(a) certification by a suitably qualified engineer that the items of infrastructure or component(s) thereof, as specified in condition 1, have been constructed in accordance with the relevant requirements specified in condition 1;

(b) as constructed plans and a detailed site plan for each item of infrastructure or component of infrastructure specified in condition 1; and

(c) be signed by a person authorised to represent the works approval holder and contains the printed name and position of that person.

Time limited operations phase

Commencement and duration

6. The works approval holder may only commence time limited operations for an item of infrastructure identified in condition 1 where the Environmental Compliance Report as required by condition 4 and 5 has been submitted by the works approval holder for that item of infrastructure.

7. The works approval holder may conduct time limited operations for an item of infrastructure specified in condition 8:

(a) for a period not exceeding 31 May 2026; or

(b) until such time as a licence for that item of infrastructure is granted in accordance with Part V of the *Environmental Protection Act 1986*, if one is granted before the end of the period specified in condition 7(a).

Time limited operations requirements and emission limits

8. During time limited operations, the works approval holder must ensure that the premises infrastructure and equipment listed in Table 2 and located at the corresponding infrastructure location is maintained and operated in accordance with the corresponding operational requirement set out in Table 2.

Table 2: Infrastructure and equipment requirements during time limited operations

Item	Site infrastructure and equipment	Operational requirements	Infrastructure location
1.	Dewatering (Delivery) Pipeline	(a) A maximum of 700,000 tpa of saline water to be dewatering into the Earl Grey Gold Pit. (b) Visual inspection of pipeline integrity daily (when dewatering is occurring); (c) If a leak is identified, pumping is to cease immediately, isolate the area of concern, and repairs made prior to pumping recommencing; and (d) A written log must be maintained for each inspection, including details of any management and/or rectification actions implemented (where required), with the record of each inspection signed by the responsible person.	Shown in Schedule 1, Figure 2
2.	Water Storage Tank	(a) Weekly inspections of tank integrity (when storing water); and (b) A written log must be maintained for each inspection, with the record of each inspection signed by the responsible person.	Shown in Schedule 1, Figure 2 and 3
3.	Overflow pipe from water storage arrangements (as referenced in item 2).	(a) Visual inspection of pipeline integrity daily (when dewatering is occurring); (b) If a leak is identified, pumping is to cease immediately, isolate the area of concern, and repairs made prior to pumping recommencing; and (c) A written log must be maintained for each inspection, including details of any management and/or rectification actions implemented (where required), with the record of each inspection signed by the responsible person.	Shown in Schedule 1, Figure 3

Item	Site infrastructure and equipment	Operational requirements	Infrastructure location
4.	Earl Grey Gold Pit	(a) Freeboard maintained at a level of equal to or greater than 5 m from the lowest elevation of the pit crest; (b) Weekly inspections of freeboard levels; and (c) A written log must be maintained for each inspection, including details of any management and/or rectification actions implemented (where required), with the record of each inspection signed by the responsible person.	Shown in Schedule 1, Figure 1 and 2.
5.	Water Cart	(a) Water carts must be available at the premises to manage dust emissions for operational areas.	None specified
6.	Mechanical evaporators and associated infrastructure including pipelines, and break tanks.	(a) All bunded areas and associated drainage lines must be maintained, kept free from erosion, and ensure that any spillages are directed back to the EGGP. (b) The high-wall pump must be maintained and operated under PLC control, ensuring operational low-low and high-high level settings to effectively maintain tank water levels. (c) The evaporator feed pump and shut-off control must be maintained in working condition. (d) Must undertake daily inspections of the mechanical evaporators. (e) Evaporated spray drift must not impact vegetation. (f) Any spill must be reported as an environmental incident and cleaned up immediately.	Shown in Schedule 1, Figure 4
7.	Automated weather station and environmental management system	(a) Must be connected to the operation of the mechanical evaporators. (b) Must be capable of overriding and stopping mechanical evaporators operating if the weather station is: I. defective; or II. detects a wind speed over 13 m/s and III. detects winds arising from the northeast to southeast within a range of 45 to 135 degrees.	Shown in Schedule 1, Figure 4 as EMS

Item	Site infrastructure and equipment	Operational requirements	Infrastructure location
8.	Fuel storage tank	(a) Spill trays must be used when refueling the diesel tank.	Shown in Schedule 1, Figure 4

9. During time limited operations, the works approval holder must ensure that the emission(s) specified in Table 3, are discharged only from the corresponding discharge point(s) and only at the corresponding discharge point location(s).

Table 3: Authorised discharge points

No.	Emission	Discharge point	Discharge point location
1.	Dewatering Discharge	Water Storage Tank	Shown in Schedule 1, Figures 2 and 3
		Earl Grey Gold Mining Pit	Shown in Schedule 1, Figure 2

Water monitoring during time limited operations

10. During time limited operations, the works approval holder must monitor the volume and quality of dewatering water in accordance with Table 4.

Table 4: Dewatering volume and water quality monitoring

Monitoring location	Parameter	Unit	Frequency	Sampling and Analysis Method
Raw dewatering water monitoring location	Volumetric flow rate – discharge to water storage tank/pond	m^3/s	Continuous	Flow meter
	Volumetric flow rate – discharge to Earl Grey Pit	m^3/s	Continuous	Flow meter
	Volumetric flow rate – used for dust suppression	m^3/s	-	Mass balance
	pH[1]	-	Weekly for the first month, then monthly thereafter	Spot sample, in accordance with AS/NZS 5667.1
	Electrical conductivity[1]	µS/cm		
	Laboratory parameters as per Table 7 of Licence L9326/2022/1	-	3 monthly monitoring events within the time limited operations period	As per Table 7 of Licence L9326/2022/1

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

Compliance reporting

11. The works approval holder must submit to the CEO a report on the time limited operations within 30 calendar days of the completion date of time limited operations

or 90 calendar days before the expiration date of the works approval, whichever is the sooner.

12. The works approval holder must ensure the report required by condition 11 includes the following:

(a) a summary of the time limited operations, including timeframes and amount of dewater discharged from the Earl Grey Lithium Pit to the Earl Grey Gold Pit;

(b) a water balance for the Earl Grey Lithium Pit and Earl Grey Gold Pit that:

(i) Details both revised rainfall runoff and net groundwater inflow components of mine dewatering,

(ii) Calculates evaporation from the mechanical evaporator use, and

(iii) Demonstrates whether the Bounty Gold Earl Grey pit has sufficient capacity to store Earl Grey Lithium Pit dewatering.

(c) a summary of the environmental performance of all infrastructure as constructed or installed (as applicable), which includes records detailing the:

(i) Dewatering (Delivery) Pipeline;

(ii) Water Storage Tank OR Water Storage Pond;

(iii) Overflow channel from water storage arrangements; and

(iv) In-pit sump pump.

(d) summary of monitoring conducted in accordance with condition 10;

(e) a review of performance and compliance against the conditions of the works approval; and

(f) where the manufacturer's design specifications and the conditions of this works approval have not been met, what measures will the works approval holder take to meet them, and what timeframes will be required to implement those measures.

Records and reporting (general)

13. The works approval holder must record the following information in relation to complaints received by the works approval 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 works approval holder to investigate or respond to any complaint.

14. The works approval holder must maintain accurate and auditable books including the following records, information, reports, and data required by this works approval:

(a) the works conducted in accordance with condition 1;

(b) any maintenance of infrastructure that is performed in the course of complying with condition 8;

(c) monitoring conducted in accordance with condition 10; and

(d) complaints received under condition 13.

15. The books specified under condition 14 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 works approval holder for the duration of the works approval; and

(d) be available to be produced to an inspector or the CEO as required.

Definitions

In this works approval, the terms in Table 5 have the meanings defined.

Table 5: Definitions

Term	Definition
AS/NZS 5667.1	means the Australian/New Zealand *Standard for Water quality Sampling Part 1: Guidance on the design of sampling programs, sampling techniques and the preservation and handling of samples* (Standards Australia).
books	has the same meaning given to that term under the EP Act.
CEO	means Chief Executive Officer. CEO for the purposes of notification means: Director General Department administering the *Environmental Protection Act 1986* Locked Bag 10 Joondalup DC WA 6919 info@dwer.wa.gov.au
Department	means the department established under section 35 of the *Public Sector Management Act 1994* and designated as responsible for the administration of Part V Division 3 of the EP Act.
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.
environmental commissioning	means the sequence of activities to be undertaken to test equipment integrity and operation, or to determine the environmental performance, of equipment and infrastructure to establish or test a steady state operation and confirm design specifications.
Environmental Compliance Report	means a report to satisfy the CEO that the conditioned infrastructure and/or equipment has been constructed and/or installed in accordance with the works approval.
EP Act	*Environmental Protection Act 1986* (WA).
EP Regulations	*Environmental Protection Regulations 1987* (WA).
Licence L9326/2022/1	means Licence L9326/2022/1 as accessed on DWER's website at: https://www.der.wa.gov.au/our-work/licences-and-works-approvals/current-licences
premises	the premises to which this licence applies, as specified at the front of this licence and as shown on the premises map Figure 1 in Schedule 1 to this works approval.
prescribed premises	has the same meaning given to that term under the EP Act.
Suitably qualified engineer	means a person who:

Term	Definition
	holds a relevant tertiary academic qualification in Mine Engineering and/or Civil Engineering; and has a minimum of three years of experience working in the relevant area/field of expertise.
time limited operations	refers to the operation of the infrastructure and equipment identified under this works approval that is authorised for that purpose, subject to the relevant conditions.
waste	has the same meaning given to that term under the EP Act.
works approval	refers to this document, which evidences the grant of the works approval by the CEO under section 54 of the EP Act, subject to the conditions.
works approval holder	refers to the occupier of the premises being the person to whom this works approval has been granted, as specified at the front of this works approval.

END OF CONDITIONS

Schedule 1: Maps

Premises map

The boundary of the prescribed premises is shown on the map below.

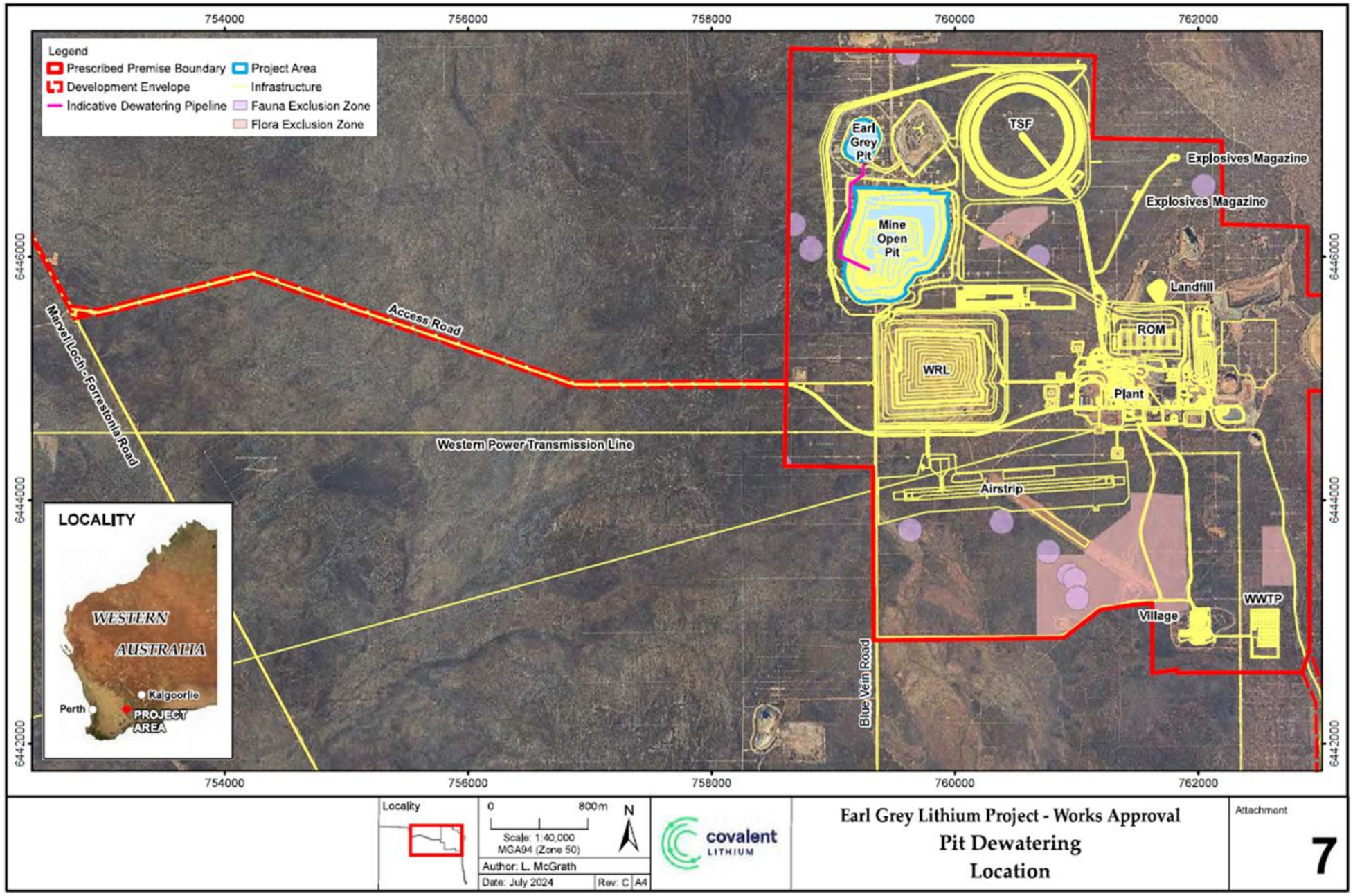

Figure 1: Prescribed premises boundary of the Earl Grey Lithium Project

Site layout map

The site layout of the prescribed premises is shown on the map below.

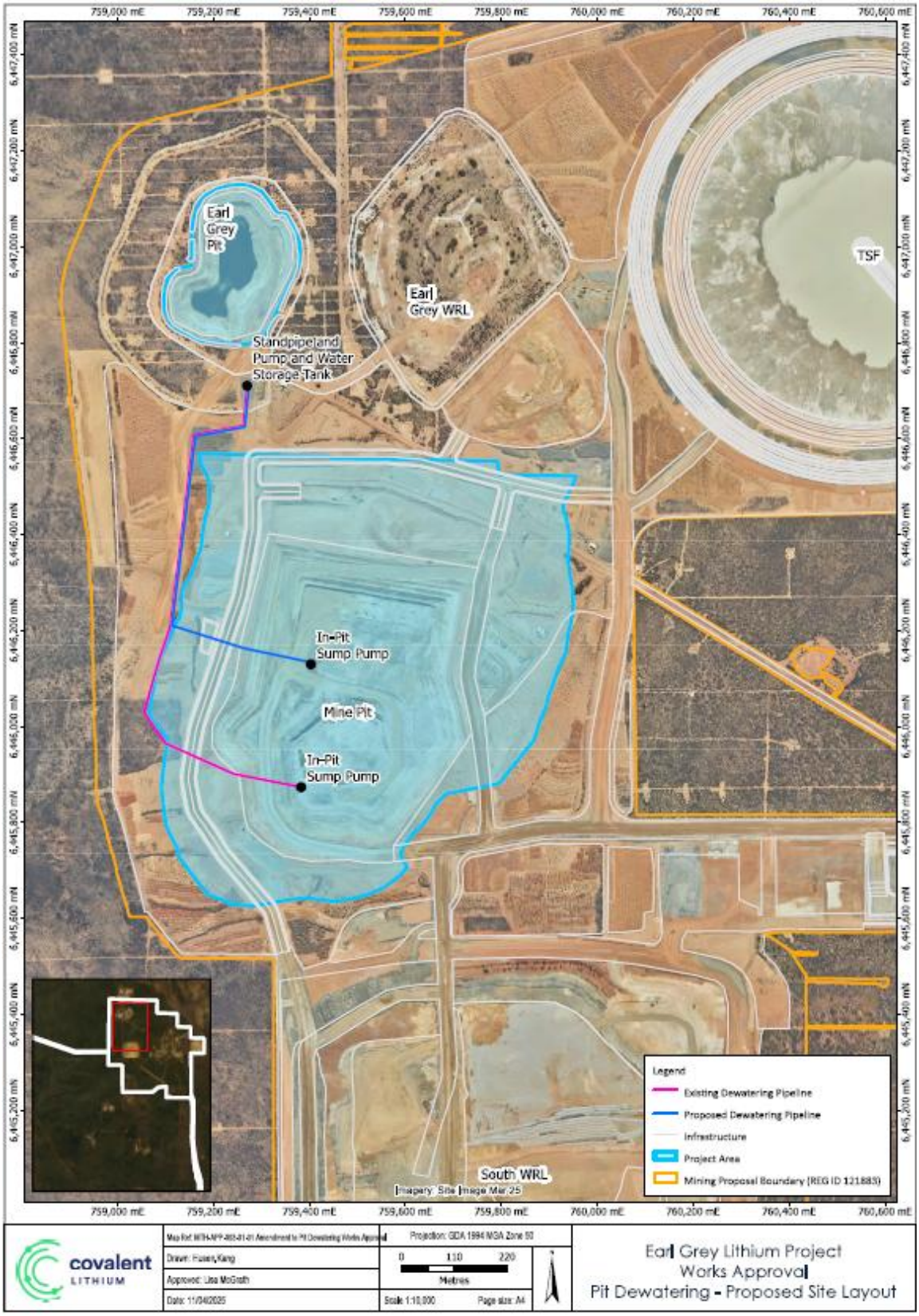

Figure 2: Layout of Dewatering Pipeline and Discharge point

Water tank layout map

The water tank layout of the prescribed premises is shown on the map below.

Figure 3: Water Storage Tank Layout

Evaporator layout map

The mechanical evaporator and associated infrastructure layout of the prescribed premises is shown on the map below.

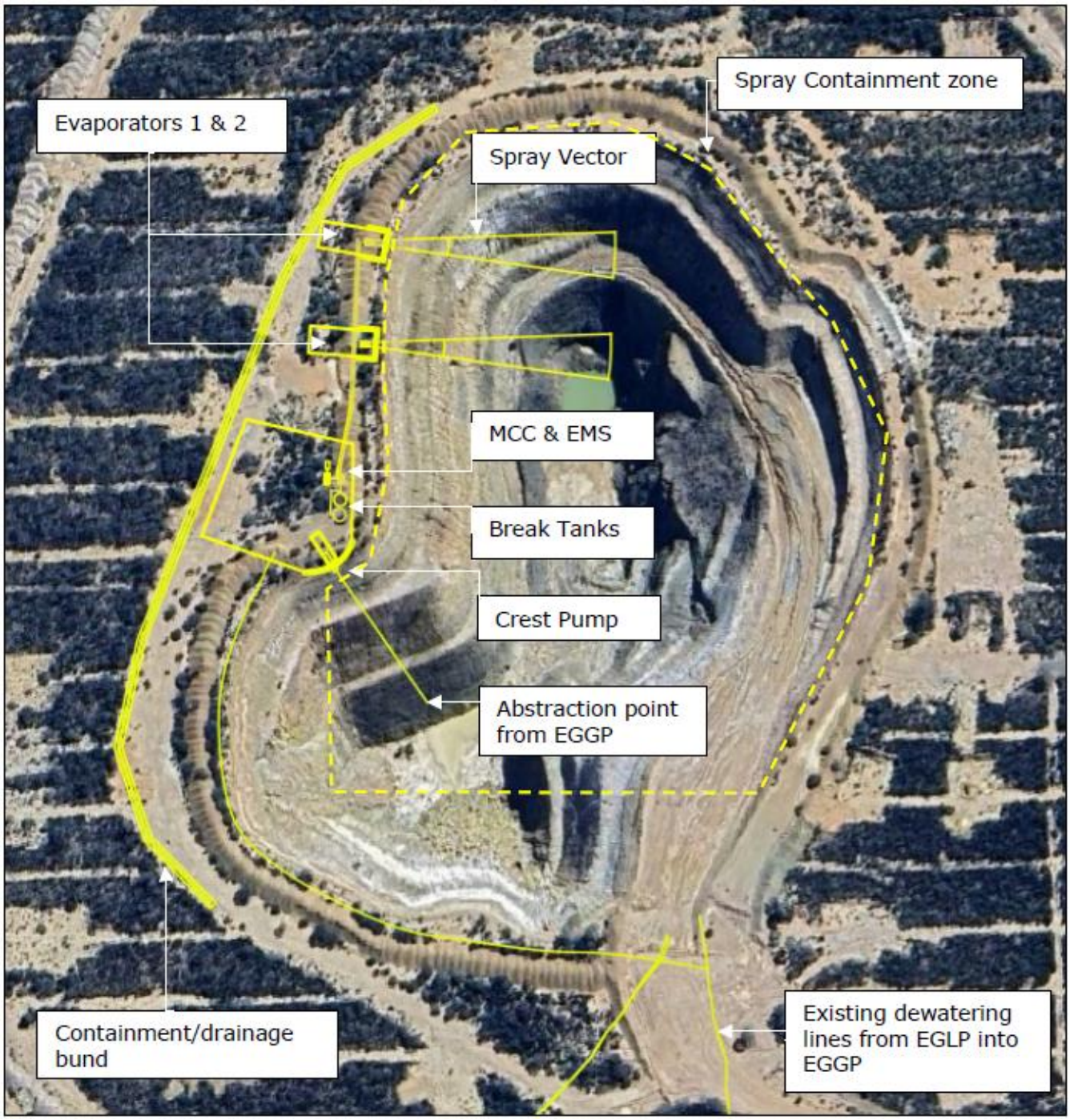

Figure 4: Evaporator system layout at EGGP