

Environmental authority EPPR00561513

This environmental authority is issued by the administering authority under Chapter 5 of the Environmental Protection Act 1994.

Permit¹ number: EPPR00561513

Environmental authority takes effect on 11 November 2015.

The anniversary date of this environmental authority is 23 May each year.

An annual return and the payment of the annual fee will be due each year on this day.

Environmental authority holder(s)

Name	Registered address
Mount Oxide Pty Ltd	Perilya Limited Level 8, 251 Adelaide Terrace PERTH WA 6000

Environmentally relevant activity and location details

Environmentally relevant activity(ies)	Location(s)
63-(1b)(i) Sewage treatment >100 to 1500EP - IT or IR Mining - Exploration site specific	EPM10313

Additional information for applicants

Environmentally relevant activities

The description of any environmentally relevant activity (ERA) for which an environmental authority is issued is a restatement of the ERA as defined by legislation at the time the approval is issued. Where there is any inconsistency between that description of an ERA and the conditions stated by an environmental authority as to the scale, intensity or manner of carrying out an ERA, then the conditions prevail to the extent of the inconsistency.

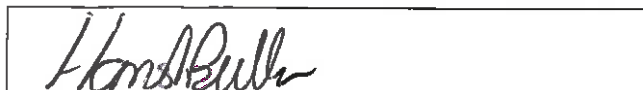
An environmental authority authorises the carrying out of an ERA and does not authorise any environmental harm unless a condition stated by the authority specifically authorises environmental harm.

A person carrying out an ERA must also be a registered suitable operator under the *Environmental Protection Act 1994* (EP Act).

¹ Permit includes licences, approvals, permits, authorisations, certificates, sanctions or equivalent/similar as required by legislation

Contaminated land

It is a requirement of the EP Act that if an owner or occupier of land becomes aware a notifiable activity (as defined in Schedule 3 and Schedule 4) is being carried out on the land, or that the land has been, or is being, contaminated by a hazardous contaminant, the owner or occupier must, within 22 business days after becoming so aware, give written notice to the chief executive.



Signature



Date

Hamish Butler
Department of Environment and Heritage Protection
Delegate of the administering authority
Environmental Protection Act 1994

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Obligations under the *Environmental Protection Act 1994*

In addition to the requirements found in the conditions of this environmental authority, the holder must also meet their obligations under the EP Act, and the regulations made under the EP Act. For example, the holder must comply with the following provisions of the Act:

- general environmental duty (section 319)
- duty to notify environmental harm (section 320-320G)
- offence of causing serious or material environmental harm (sections 437-439)
- offence of causing environmental nuisance (section 440)
- offence of depositing prescribed water contaminants in waters and related matters (section 440ZG)
- offence to place contaminant where environmental harm or nuisance may be caused (section 443)

Conditions of environmental authority

Agency Interest: General

- G1 The Environmental Authority does not take effect until the grant of the tenure to the Environmental Authority holder, or until each Environmental Authority holder has become a holder, under the Mineral Resources Act 1989, of each of the relevant mining tenements.
- G2 The conditions of this Environmental Authority are in force until a surrender of the authority is accepted pursuant to the Environmental Protection Act 1994. The conditions apply unless an amendment is approved pursuant to the Environmental Protection Act 1994.
- G3 The Environmental Authority holder is to give the administering authority a financial assurance in the amount and form and at a time required by the administering authority.
- G4 The Environmental Authority holder must comply with each of the Standard Environmental Conditions contained in the Code of Environmental Compliance for Exploration and Mineral Development Projects.

Agency Interest: Air

- A1 The release of noxious or offensive odours or any other noxious or offensive airborne contaminants resulting from the activity must not cause a nuisance at any nuisance sensitive or commercial place.
- A2 The release of dust and or particulate matter resulting from the activity must not cause a nuisance at any nuisance sensitive or commercial place.

Agency Interest: Land

- L1 A minimum area of 7,000 square meters of land, excluding any necessary buffer zones, must be utilised for the irrigation of treated effluent at a maximum rate of 3mm/day.
- L2 The holder of the Environmental Authority must ensure that contaminated wastewater, and mine waste is contained to the drill pad in Cave Creek.
- L3 The holder of the Environmental Authority must use existing tracks where reasonable and practicable.
- L4 Regular harvesting of the land irrigation area is to be conducted as required with clippings disposed of outside the land application area.

- L5 Notwithstanding Condition 27 of the Code of Environmental Compliance for Exploration and Mineral Development Projects, the holder of this Environmental Authority is authorised to carry out exploration activities in one location in Cave Creek as shown in the attached Map 1.
- L6 Disturbance to the riparian vegetation along Cave Creek must be limited during exploration activities where reasonable and practicable.
- L7 Drilling must only occur at the location defined in Map 1 during the dry season between the months of May and October.

Important Note:

The relevant Code of Environmental Compliance imposes certain restrictions on mining activities within or adjacent to Category A, B or C Environmentally Sensitive Areas, watercourses, wetlands and lakes. Ensure that the relevant provisions of the Code are complied with.
The holder of the Environmental Authority must use existing tracks where reasonable and practicable.

Agency Interest: Waste

- W1 All regulated waste removed of the site must be removed by a person who holds a current approval to transport such waste under the provisions of the *Environmental Protection Act 1994*.

Agency Interest: Water

- W1 All effluent released from the treatment plant must be monitored at the frequency and for the parameters specified in the Table 1:

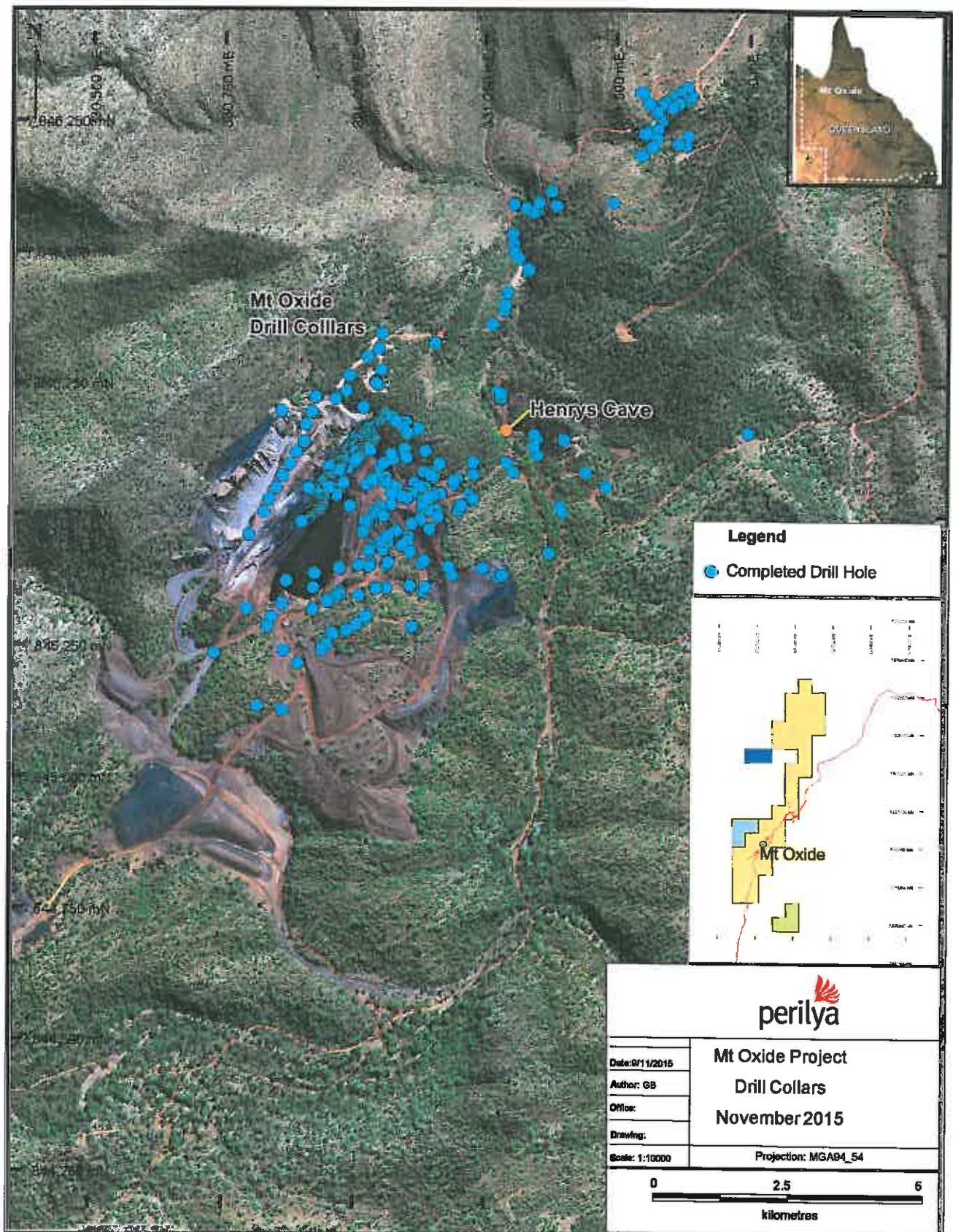
Table 1- Sewage effluent targets and monitoring frequency.

Quality Characteristics	Units	Limit	Limit Type	Monitoring frequency
pH	Ph Units	6 - 8.5	Minimum to maximum	Monthly
5-Day Biochemical Oxygen Demand	Mg/L	<20	80 th percentile ¹	Monthly
Total Suspended Solids (TSS)	Mg/L	<30	80 th percentile ¹	Monthly
Free Chlorine Residual	Mg/L	<2.0	Maximum	Monthly
E coli	Units/100ml	<100	Maximum	Monthly
Total Nitrogen	Mg/L	10	Maximum	Monthly
Total Phosphorus	Mg/L	5	Maximum	Monthly

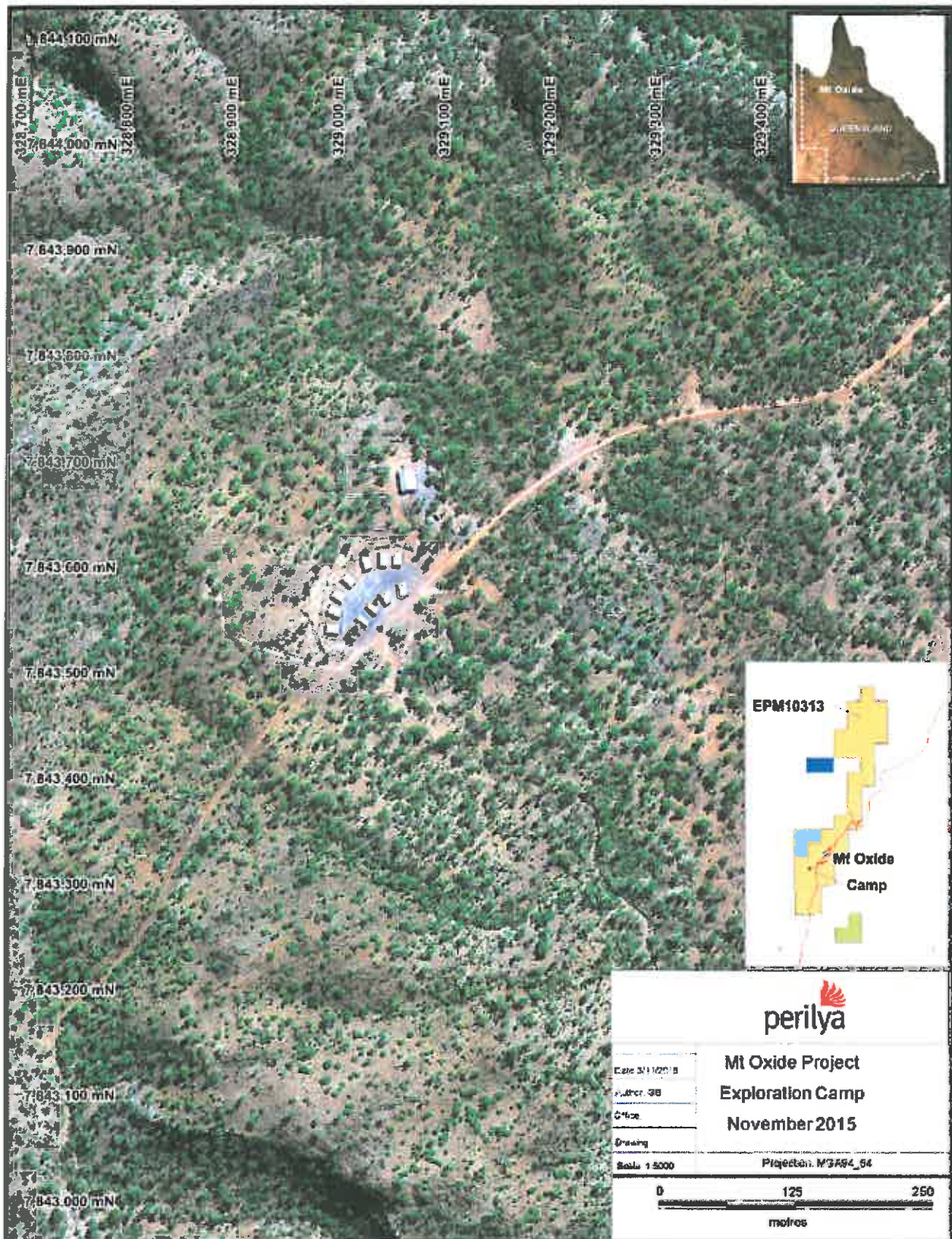
¹ The 80th percentile must be determined based on no more than ten (10) consecutive samples.

- W2 Subject to Condition W1, release of treated effluent is permitted via irrigation to the fenced designated area identified in Map 2. Alternatively, such effluent can be used for dust suppression on roads located within EPM 10313.
- W3 Record, compile and keep all monitoring results required by this approval and present this information to the administering authority when requested. The irrigation of effluent must be carried out in a manner such that:
- a) vegetation is not damaged;
 - b) soil erosion and soil structure damage is avoided;
 - c) there is no surface ponding of effluent;
 - d) percolation of effluent beyond the plant root zone is minimised;
 - e) the capacity of the land to assimilate nitrogen, phosphorus, salts, organic matter as measured by oxygen demand and water is not exceeded; and
 - f) the quality of ground water is not adversely affected.
- W4 Notices must be prominently displayed on areas undergoing effluent irrigation, warning the public that the area is irrigated with effluent and not to use or drink the effluent. These notices must be maintained in a visible and legible condition.
- W5 When conditions prevent the irrigation of treated effluent to land (such as during rain events), alternative measures must be taken to store/dispose of effluent (such as wet weather storage or tankering off site).
- W6 The operator of the ERA must record the following details for all complaints received in relation to the ERA and provide this information to the administering authority on request:
- a) time, date, name and contact details of the complainant;
 - b) reasons for the complaint;
 - c) any investigations undertaken;
 - d) conclusions formed; and
 - e) any actions taken.
- W7 The Environmental Authority Holder must investigate the soil geology of the irrigation area at the Mount Oxide camp including but not limited to the absorption capacity of the soil for nitrogen and phosphorus. The report into the investigation of the soil geology must be submitted to the administering authority before the 11 June 2008.
- W8 Based on the investigation report of the soil geology into the irrigation area at the Mount oxide camp, the administering authority may amend the environmental authority to further protect environmental values.

Map 1



Map 2



END OF PERMIT

Attachments

- The Code of Environmental Compliance for Exploration and Mineral Development Projects (EM586)