

# Permit

Environmental Protection Act 1994

Environmental authority EPPR03441915

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

**Environmental authority number: EPPR03441915**

**Environmental authority takes effect on 13 April 2018**

**Environmental authority holder(s)**

| Name(s)        | Registered address                                 |
|----------------|----------------------------------------------------|
| CONMAT PTY LTD | 936 Tinaroo Creek Rd MAREEBA QLD 4880<br>Australia |

**Environmentally relevant activity and location details**

| Environmentally relevant activity/activities                                                                                                                                          | Location(s)   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Prescribed ERA, ERA 53 - Composting and soil conditioner manufacturing, Manufacturing, from organic material or organic waste, 200t or more of compost or soil conditioners in a year | Lot 358/OL451 |
| Prescribed ERA, ERA 16 - Extraction and Screening, 2: Extracting, other than by dredging, in a year, the following quantity of material, (a) 5,000t to 100,000t                       | Lot 358/OL451 |
| Prescribed ERA, ERA 16 - Extraction and Screening, 3: Screening, in a year, the following quantity of material, (a) 5,000t to 100,000t                                                | Lot 358/OL451 |
| Prescribed ERA, ERA 33 - Crushing, milling, grinding or screening, Crushing, grinding, milling or screening more than 5000t of material in a year                                     | Lot 358/OL451 |

**Additional information for applicants**

Environmentally relevant activities

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

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

## Environmental authority

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### Contaminated land

It is a requirement of the EP Act that an owner or occupier of contaminated land give written notice to the administering authority if they become aware of the following:

- the happening of an event involving a hazardous contaminant on the contaminated land (notice must be given within 24 hours); or
- a change in the condition of the contaminated land (notice must be given within 24 hours); or
- a notifiable activity (as defined in Schedule 3) having been carried out, or is being carried out, on the contaminated land (notice must be given within 20 business days);

that is causing, or is reasonably likely to cause, serious or material environmental harm.

For further information, including the form for giving written notice, refer to the Queensland Government website [www.qld.gov.au](http://www.qld.gov.au), using the search term 'duty to notify'.

### Take effect

Please note that, in accordance with section 200 of the EP Act, an EA has effect:

- a) if the authority is for a prescribed ERA and it states that it takes effect on the day nominated by the holder of the authority in a written notice given to the administering authority-on the nominated day; or
- b) if the authority states a day or an event for it to take effect-on the stated day or when the stated event happens; or
- c) otherwise-on the day the authority is issued.

However, if the EA is authorising an activity that requires an additional authorisation (a relevant tenure for a resource activity, a development permit under the Planning Act 2016 or an SDA Approval under the State Development and Public Works Organisation Act 1971), this EA will not take effect until the additional authorisation has taken effect.

If this EA takes effect when the additional authorisation takes effect, you must provide the administering authority written notice within 5 business days of receiving notification of the related additional authorisation taking effect.

If you have incorrectly claimed that an additional authorisation is not required, carrying out the ERA without the additional authorisation is not legal and could result in your prosecution for providing false or misleading information or operating without a valid environmental authority.

Clancy Mackaway  
Department of Environment and Science  
Delegate of the administering authority  
Environmental Protection Act 1994

**Enquiries:**  
Waste and Contaminated Land Assessment  
Department of Environment and Science  
Phone: 1300 130 372  
Email: [palm@des.qld.gov.au](mailto:palm@des.qld.gov.au)

**Date issued: 03 September 2018**

**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)



## Legislative Requirements and Conditions of Environmental Authority

### General

- G1 **Activities** conducted under this environmental authority must not be conducted contrary to any of the following limitations:
- a) **Activities** authorised under this environmental authority must only be conducted in the areas delineated as 'EA/DA area 1' and 'EA/DA area 3' in *Schedule 1 – Operational areas and associated GPS coordinates*.
- G2 All reasonable and practicable **measures** must be taken to prevent or minimise environmental harm caused by the activities.
- G3 Other than permitted by this environmental authority, the **release of a contaminant into the environment** must not occur.
- G4 Any breach of a condition of this environmental authority must be reported to the **administering authority** as soon as practicable within 24 hours of becoming aware of the breach. **Records** must be kept including full details of the breach and any subsequent actions taken.
- G5 The **activity** must be undertaken in accordance with written procedures that:
- a) identify potential risks to the environment from the **activity** during routine operations and emergencies; and
  - b) establish and maintain control **measures** that minimise the potential for environmental harm; and
  - c) ensure plant, equipment and **measures** are maintained in a proper and effective condition; and
  - d) ensure plant, equipment and **measures** are operated in a proper and effective manner; and
  - e) ensure that staff are trained and aware of their obligations under the *Environmental Protection Act 1994*; and
  - f) ensure that reviews of environmental performance are undertaken at least annually.

- G6 All information and **records** required by the conditions of this environmental authority must be kept for a minimum of five years with the exception of environmental monitoring results which must be kept until surrender of this environmental authority. All information and **records** required by the conditions of this environmental authority must be provided to the **administering authority** upon request and in the format requested.
- G7 Chemicals and fuels in containers of greater than 15 litres must be stored within a **secondary containment system**.
- G8 All analyses required under this environmental authority must be carried out by a laboratory that has National Association of Testing Authorities (**NATA**) certification, or an equivalent certification, for such analyses.
- G9 An **appropriately qualified person(s)** must monitor, record and interpret all parameters that are required to be monitored by this environmental authority and in the manner specified by this environmental authority.
- G10 When required by the **administering authority**, monitoring must be undertaken in the manner prescribed by the **administering authority** to investigate a complaint of **environmental nuisance** arising from the **activity**. The monitoring results must be provided within 10 business days to the **administering authority** upon its request.
- G11 **You** must record the following details of all environmental complaints received:
- a) date and time the complaint was received
  - b) name and contact details of the complainant when provided and authorised by the complainant
  - c) nature of the complaint
  - d) investigation undertaken
  - e) conclusions formed
  - f) actions taken.
- G12 All reasonable and practicable **measures** must be taken to exclude vectors and pest species to the extent necessary to prevent:
- a) **environmental nuisance** to occupiers of neighbouring premises
  - b) any danger or risk to the health of any persons.

## Air

- A1 Odours or airborne contaminants must not cause **environmental nuisance** to any **sensitive place** or **commercial place**.
- A2 Contaminants must not be released to air from any point source.
- A3 Dust and particulate matter emissions must not exceed the following concentrations at any **sensitive place** or **commercial place**:
- a) dust deposition of 120 milligrams per square metre per day, when monitored in accordance with Australian Standard AS 3580.10.1 (or more recent editions); or
  - b) a concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (pm) (PM10) suspended in the atmosphere of 50 micrograms per cubic metre over a 24 hour averaging time, when monitored in accordance with Australian Standard AS 3580.9.3 (or more recent editions) or any other method approved by the **administering authority**.
- A4 Dust and particulate matter monitoring must:
- a) be undertaken upon the request of the **administering authority**; and
  - b) be carried out at places relevant to the potentially affected **sensitive place** or **commercial place** and at suitable representative reference site(s) unlikely to be affected by the **activity**; and
  - c) be carried out at a sufficient number of monitoring points to enable compliance assessment with condition A3 above; and
  - d) take into account:
    - i. locations of dust and particulate sources; and
    - ii. locations of persons or sites potentially affected by any release of dust or particulate matter from the **activity**; and
  - e) be carried out in accordance with the latest edition of the **administering authority's** Air Quality Sampling Manual; and
  - f) be undertaken in conjunction with the recording of precipitation, wind speed and direction in accordance with the requirements of the relevant standards within AS3580.

## Water

- WT1 Contaminants must not be released to any **waters**.
- WT2 Contaminants must not be released to **groundwater** or at a location where they are likely to release to **groundwater**.
- WT3 The stormwater runoff from **disturbed areas**, generated by a storm event up to and including a **24 hour storm event with an average recurrence interval of 1 in 10 years** must be retained on site or managed to remove contaminants before released offsite.

## Noise

N1 Noise generated by the **activity** must not cause **environmental nuisance** to any **sensitive place** or **commercial place**.

N2 **Blasting** activities must not exceed the limits for peak particle velocity and air blast overpressure in *Table 1 Blasting noise limits* when measured at the nearest **sensitive place** or **commercial place** in accordance with the associated monitoring requirements.

| Table 1- Blasting noise limits                 |                                                                                                                                          |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Blasting criteria                              | Blasting limits                                                                                                                          |
| Airblast overpressure                          | 115 dB (Linear) Peak for 9 out of 10 consecutive blasts initiated and not greater than 120 dB (Linear) Peak at any time.                 |
| Ground <b>vibration</b> peak particle velocity | 5mm/second peak particle velocity for 9 out of 10 consecutive blasts and not greater than 10mm/second peak particle velocity at any time |

### Associated monitoring requirements

1. Monitoring must be undertaken for all blasting activities.
2. Monitoring must be in accordance with the most recent editions of the **administering authority's** 'Noise and Vibration from Blasting' guideline and Noise Measurement Manual and any relevant Australian standard.
3. All monitoring devices must be correctly calibrated and maintained.
4. All monitoring and recording must be undertaken by an **appropriately qualified person(s)**
5. All monitoring of noise emissions from the **activity** must be undertaken when the **activity** is in operation.

N3 **Blasting** must be carried out in accordance with the current edition of the **administering authority's** 'Noise and vibration from blasting guideline' and with Australian Standard 2187.

N4 Unless prior approval is obtained from the **administering authority**:

1. **blasting** is only permitted during the hours of 9am to 3pm Monday to Friday, and from 9am to 1pm on Saturdays.
2. **blasting** is not permitted at any time on Sundays or public holidays.

## Land

- L1 Contaminants must not be released to **land**.
- L2 An area which provides an impervious barrier to subsoil and groundwater must be used for:
- receiving, mixing and storing processing materials for the composting **activity**
  - collecting and storing **leachate**.
- L3 **Land** that has been disturbed for activities conducted under this environmental authority must be rehabilitated in a manner such that:
- suitable native species of vegetation for the location are established and sustained for earthen surfaces
  - potential for erosion is minimised
  - the quality of water, including seepage, released from the site does not cause environmental harm
  - potential for **environmental nuisance** caused by dust is minimised
  - the water quality of any residual water body does not have potential to cause environmental harm
  - the final landform is stable and protects public safety.
- L4 Rehabilitation of **disturbed areas** required under condition L3 must take place progressively as works are staged and new areas of extraction are commenced.

## Waste

- W1 All waste generated in carrying out the **activity** must be lawfully reused, recycled or removed to a facility that can lawfully accept the waste.
- W2 **Incompatible wastes** must not be mixed in the same container or waste storage area.

## Definitions

Key terms and/or phrases used in this document are defined in this section and **bolded** throughout this document. Applicants should note that where a term is not defined, the definition in the *Environmental Protection Act 1994*, its regulations or environmental protection policies must be used. If a word remains undefined it has its ordinary meaning.

**Activity** means the environmentally relevant activities, whether resource activities or prescribed activities, to which the environmental authority relates.

**Administering authority** means the Department of Environment and Science or its successors or predecessors.

**Appropriately qualified person(s)** means a person or persons who has professional qualifications, training, skills and experience relevant to the EA requirement and can give authoritative assessment, advice and analysis in relation to the EA requirement using the relevant protocols, standards, methods or literature.

**Blasting** is the use of explosives to fracture:

- rock, coal and other minerals for later recovery; or
- structural components or other items to facilitate removal from a site or for reuse.

**Commercial place** means a place used as a workplace, an office or for business or commercial purposes and includes a place within the curtilage of such a place reasonably used by persons at that place.

**Disturbed areas** includes areas:

1. that are susceptible to erosion;
2. that are contaminated by the activity; and/or
3. upon which stockpiles of soil or other materials are located.

**Environmental nuisance** as defined in Chapter 1 of the *Environmental Protection Act 1994*.

**Groundwater** means water that occurs naturally in, or is introduced artificially into, an aquifer.

**Incompatible waste** means waste that may chemically react when:

1. placed in proximity to other wastes; and/or
2. mixed with other wastes.

**Land** does not include waters.

**Leachate** means a **liquid** that has passed through or emerged from, or is likely to have passed through or emerged from, a material stored, processed or disposed of at the site that contains soluble, suspended or miscible contaminants likely to have been derived from the said material.

**Liquid** means any substance that:

1. has an angle of repose of less than five degrees; or
2. becomes free flowing at or below 60 degrees Celsius or when it is transported; or
3. is not generally capable of being picked up by a spade or shovel.

**Measures** have the broadest interpretation and includes plant, equipment, physical objects, monitoring, procedures, actions, directions and competency.

**NATA** means National Association of Testing Authorities.

**Records** include breach notifications, written procedures, analysis results, monitoring reports and monitoring programs required under a condition of this authority.

**Secondary containment system** means a system designed, installed and operated to prevent any release of contaminants from the system, or containers within the system, to land, groundwater, or surface waters.

**Sensitive place** includes the following and includes a place within the curtilage of such a place reasonably used by persons at that place:

1. a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
2. a motel, hotel or hostel; or
3. a kindergarten, school, university or other educational institution; or
4. a medical centre or hospital; or
5. a protected area under the Nature Conservation Act 1992, the Marine Parks Act 2004 or a World Heritage Area or
6. a public park or garden; or
7. for noise, a place defined as a sensitive receptor for the purposes of the *Environmental Protection (Noise) Policy 2008*.

**Vibration** is the oscillating or periodic motion of a particle, group of particles, or solid object about its equilibrium position.

**Waters** includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water, natural or artificial watercourse, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and groundwater and any part thereof.

**You** means the holder of the environmental authority.

**24 hour storm event with an average recurrence interval of 1 in 10 years** means the maximum rainfall depth from a 24-hour duration precipitation event with an average recurrence interval of once in 10 years. For example, an Intensity-Frequency-Duration table for a 24-hour duration event with an average recurrence interval of 1 in 10 years, identifies a rainfall intensity of 8.2mm/hour. The rainfall depth for this event is therefore 24 hour x 8.2mm/hour = 196.8mm.

## Schedule 1- Operational areas and associated GPS coordinates

### MAP GPS POINTS FOR EA/DA AREAS

| EA/DA AREA 1 = QUARRY PROCESSING |             |             | EA/DA area 3 = To it |             |             |
|----------------------------------|-------------|-------------|----------------------|-------------|-------------|
| #                                | Lat         | Long        | #                    | Lat         | Long        |
| 1                                | -17.077696° | 145.477882° | T1                   | -17.086864° | 145.499187° |
| 2                                | -17.077727° | 145.478102° | T2                   | -17.086513° | 145.501276° |
| 3                                | -17.078548° | 145.478178° | T3                   | -17.087193° | 145.502173° |
| 4                                | -17.079350° | 145.479094° | T4                   | -17.089801° | 145.501348° |
| 5                                | -17.078953° | 145.479691° | T5                   | -17.089951° | 145.499055° |
| 6                                | -17.079135° | 145.480362° | T6                   | -17.087427° | 145.498678° |
| 7                                | -17.07 452° | 145.480730° |                      |             |             |
| 8                                | -17.079827° | 145.480648° | EA/DA Entrance rd    |             |             |
| 9                                | -17.080100° | 145.480233° | #                    | Lat         | Long        |
| 10                               | -17.080594° | 145.479803° | R1                   | -17.074057° | 145.484136° |
| 11                               | -17.080849° | 145.479707° | R2                   | -17.074087° | 145.484433° |
| 12                               | -17.081326° | 145.479761° | R3                   | -17.079455° | 145.485146° |
| 13                               | -17.081635° | 145.480049° | R4                   | -17.081797° | 145.484483° |
| 14                               | -17.081960° | 145.480494° | 18                   | -17.082250° | 145.483988° |
| 15                               | -17.082353° | 145.482256° | 17                   | -17.082293° | 145.483829° |
| 16                               | -17.082176° | 145.483581° | 16                   | -17.082176° | 145.483581° |
| 17                               | -17.082293° | 145.483829° | R5                   | -17.081726° | 145.484138° |
| 18                               | -17.082250° | 145.483988° | R6                   | -17.080517° | 145.484680° |
| 19                               | -17.082444° | 145.487597° |                      |             |             |
| 20                               | -17.084346° | 145.487501° |                      |             |             |
| 21                               | -17.084423° | 145.484233° |                      |             |             |
| 22                               | -17.086021° | 145.483611° |                      |             |             |
| 23                               | -17.086493° | 145.482839° |                      |             |             |
| 24                               | -17.086659° | 145.482117° |                      |             |             |
| 25                               | -17.085679° | 145.481602° |                      |             |             |
| 26                               | -17.085679° | 145.480586° | ERA 53               |             |             |
| 27                               | -17.084765° | 145.479368° | #                    | Lat         | Long        |
| 28                               | -17.084929° | 145.479128° | E1                   | -17.083592° | 145.482384° |
| 29                               | -17.084908° | 145.478926° | E2                   | -17.083895° | 145.483672° |
| 30                               | -17.084718° | 145.478764° | E3                   | -17.084591° | 145.483516° |
| 31                               | -17.083688° | 145.478813° | E4                   | -17.083924° | 145.482201° |
| 32                               | -17.082849° | 145.479322° | E5                   | -17.083341° | 145.481381° |
| 33                               | -17.083255° | 145.479918° | E6                   | -17.082803° | 145.481119° |
| 34                               | -17.083651° | 145.480076° | E7                   | -17.082732° | 145.481785° |
| 35                               | -17.084008° | 145.480542° |                      |             |             |
| 36                               | -17.083957° | 145.481188° |                      |             |             |
| 37                               | -17.083138° | 145.480625° |                      |             |             |
| 38                               | -17.082309° | 145.479328° |                      |             |             |
| 39                               | -17.081510° | 145.479564° |                      |             |             |
| 40                               | -17.079617° | 145.479086° |                      |             |             |
| 41                               | -17.078644° | 145.477984° |                      |             |             |

Schedule 1—Operational areas and associated GPS coordinates.

