Queensland Government

Department of
Environment and Heritage Protection

26-SEP-2013

To: Ronald Norton & Agnes Cowie Redicliffe
ATF The Redicliffe Family Trust T/A Redcorp
C/- PO Box 492
MAREEBA QLD 4880

Attention: Ms Veronica Luhrs

Our reference: 242237

Application details

I refer to the application that was received by the administering authority on 20-SEP-2013.

Land description: 3450 Kennedy Highway,MAREEBA 4880.

Decision

Your application has been approved and your environmental authority (reference EPPR00357913) is attached.

Additional comments or advice: You are advised that if you are not the owner of the land to which the environmental authority relates, you have 10 business days from receipt of this environmental authority to give each owner of the land, written notice that you have been issued this environmental authority.

Should you have any further enquiries, please contact Christine Hall on telephone 1300 130 372 Option 4

Yours sincerely

	26/09/2013
Signature	Date

Derek Robson
Department of Environment and Heritage Protection
Delegate of the administering authority
Environmental Protection Act 1994

Christine Hall
Permit and Licence Management
Department of Environment and Heritage Protection
GPO Box 2454
BRISBANE QLD 4001
Phone: 1300 130 372
Fax: (07) 3330 5875
Email: palm@derm.qld.gov.au
Website **www.ehp.qld.gov.au**
ABN 46 640 294 485

Enclosed

Permit - environmental authority (reference EPPR00357913)

Permit[1]

Environmental Protection Act 1994

Environmental authority

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

Permit[1] number: EPPR00357913

Environmental authority takes effect on 26-SEP-2013.

The first annual fee is payable within 20 business days of the effective date.

The anniversary date of this environmental authority is the same day each year as the effective date. An annual return and the payment of the annual fee which is currently $4,857.60 will be due each year on this day.

Environmental authority holder(s)

Name	Registered address
Ronald Norton & Agnes Cowie Redicliffe ATF The Redicliffe Family Trust T/A Redcorp	28 Iluka Street MAREEBA QLD 4880

Environmentally relevant activity and location details

Environmentally relevant activities	Location
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	3450 Kennedy Highway, Mareeba 4880

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.

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

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

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.

	26/09/2013
Signature	Date

Derek Robson
Department of Environment and Heritage Protection
Delegate of the administering authority
Environmental Protection Act 1994

Enquiries:
Christine Hall
Permit and Licence Management
Department of Environment and Heritage Protection
GPO Box 2454
BRISBANE QLD 4001
Phone: 1300 130 372
Fax: (07) 3330 5875
Email: palm@derm.qld.gov.au

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

Location: 3450 Kennedy Highway, Mareeba 4880

Relevant activities:

16-(2a) Extractive >5000t but <100000t yr
16-(3a) Screening >5000t but <100000t yr

The environmentally relevant activity(ies) conducted at the location as described above must be conducted in accordance with the following site specific conditions of approval.

CONDITIONS OF APPROVAL

Activity: ERA 20(b) Extracting rock or other material - extracting rock (other than rock mined in block or slab form for building purposes), sand (other than foundry sand), clay (other than clay used for its ceramic properties, kaolin or bentonite), gravel, loam or other material (other than gravel, loam or other material under a mining tenement or an authority, lease, licence or permit mentioned in item 21C or 21D) from a pit or quarry using plant or equipment having a design capacity of 5 000 t or more, but less than 100 000 t, a year.

Agency Interest: General

General 1: Prevent and/or minimise likelihood of environmental harm.

In carrying out an ERA to which this approval relates, all reasonable and practicable measures must be taken to prevent and / or to minimise the likelihood of environmental harm being caused.

General 2: Maintenance Of Measures, Plant and Equipment.

The operator of an ERA to which this approval relates must:
(a) install all measures, plant and equipment necessary to ensure compliance with the conditions of this approval; and
(b) maintain such measures, plant and equipment in a proper and efficient condition; and
(c) operate such measures, plant and equipment in a proper and efficient manner.

General 3: Site Based Management Plan.

From commencement of an ERA to which this approval relates, a site based management plan (SBMP) must be implemented. The SBMP must identify all sources of environmental harm, including but not limited to the actual and potential release of all contaminants, the potential impact of these sources and what actions will be taken to prevent the likelihood of environmental harm being caused. The SBMP must also provide for the review and 'continual improvement' in the overall environmental performance of all ERAs that are carried out.

The SBMP must address the following matters:
(a) Environmental commitments - a commitment by senior management to achieve specified and relevant environmental goals.
(b) Identification of environmental issues and potential impacts.

(c) Control measures for routine operations to minimise likelihood of environmental harm.
(d) Contingency plans and emergency procedures for non-routine situations.
(e) Organisational structure and responsibility.
(f) Effective communication.
(g) Monitoring of contaminant releases.
(h) Conducting environmental impact assessments.
(i) Staff training.
(j) Record keeping.
(k) Periodic review of environmental performance and continual improvement.

General 4: The site based management plan must not be implemented or amended in a way that contravenes any condition of this approval.

General 5: Records.

Record, compile and keep all monitoring results required by this approval and present this information to the administering authority when requested.

General 6: All records required by this approval must be kept for 5 years.

General 7: Notification.

Telephone the EPA's Pollution Hotline or local office as soon as practicable after becoming aware of any release of contaminants not in accordance with the conditions of this approval.

General 17: Equipment Calibration. All instruments, equipment and measuring devices used for measuring or monitoring in accordance with any condition of this approval must be calibrated, and appropriately operated and maintained.

General 18: Site Development Plans. You must carry out the approved activity in accordance with a site development plan, which must include a description of how the site will be developed and a detailed site plan showing at least the following: a) the location of any stormwater drains or diversion embankments to be constructed to achieve compliance with this approval; b) the proposed sequence of extraction operations on the site; c) the proposed final surface levels and contours; d) the final site

drainage system installed as part of a rehabilitation program for the site.

General 19: A copy of the site development plan must be provided to the assessment manager within six months of the date of issue of this approval and any amendments to the plan must be submitted to the assessment manager with the annual return immediately following such amendment.

General 20: The site development plan must not be implemented or amended in a way that contravenes any condition of this approval.

Agency Interest: Air

Air 1: When requested by the administering authority, monitoring must be undertaken to investigate any complaint of environmental nuisance caused by a release to the atmosphere from a release point at the site, and the results thereof notified to the administering authority within 14 days following completion of monitoring.

Air 2: Nuisance.

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.

Air 3: Dust Nuisance.

The release of dust and/or particulate matter resulting from the ERA must not cause an environmental nuisance at any nuisance sensitive or commercial place.

Agency Interest: Land

Land 1: Land Rehabilitation.

The site (including all disturbed areas such as slopes, borrow pits, stockpile and screening areas) must be rehabilitated in a manner such that:
(a) suitable native species of vegetation are planted and established;
(b) potential for erosion of the site is minimised;
(c) the quality of stormwater, other water and seepage released from the site is such that releases of contaminants such as suspended solids, turbidity, total dissolved salts, pH, total iron, total aluminium, and total manganese are not likely to cause environmental harm;

(d) the likelihood of environmental nuisance being caused by release of dust is minimised;
(e) the water quality of any residual water body meets relevant criteria for subsequent uses and does not have potential to cause environmental harm;
(f) the final landform is stable and not subject to slumping; and
(g) any actual and potential acid sulfate soils in or on the site are either not disturbed, or are submerged or treated, so as to not be likely to cause environmental harm.

Land 2: Preventing Contaminant Release To Land.

Contaminants must not be released to land.

Land 3: Spillage of all chemicals and fuels must be contained within an on-site containment system and controlled in a manner that prevents environmental harm.
NOTE: All petroleum product storage's must be designed, constructed and maintained in accordance with AS 1940 - Storage and Handling of Flammable and Combustible Liquids.

Agency Interest: Land - clearing

Land - clearing 8: Land Disturbance.
Financial assurance covers 5 hectares of disturbance. A total of 5 hectares (including the crushing and storing area) can be disturbed at any one time. Land must be rehabilitated progressively to ensure that only 5 hectares of disturbance occurs at any one time.

Agency Interest: Land - rehabilitation and subsequent use

Land - rehabilitation and subsequent use 6: Financial Assurance.

Provide a financial assurance of $24,600 in the form of a bank guarantee prior to the commencement of activities proposed under this environmental authority. The financial assurance is to remain in force until the administering authority is satisfied that no claim on the assurance is likely.

Land - Rehabilitation of disturbed areas must take place progressively as

rehabilitation and subsequent use 7:	extraction ceases in areas of the site that have reached final design levels.

Agency Interest: Noise

Noise 1:	Noise Nuisance. Noise from the ERA must not cause an environmental nuisance at any nuisance sensitive place or commercial place
Noise 2:	Noise Monitoring. When requested by the administering authority, noise monitoring must be undertaken to investigate any complaint of noise nuisance, and the results notified within 14 days to the administering authority. Monitoring must include: - airblast overpressure (dB (Lin) Peak); - LA 10, adj, 10 mins - LA 1, adj, 10 mins - the level and frequency of occurrence of impulsive or tonal noise; - atmospheric conditions including wind speed and direction; - effects due to extraneous factors such as traffic noise; and - location, date and time of recording.
Noise 3:	The method of measurement and reporting of noise levels must comply with the latest edition of the Environmental Protection Agency's Noise Measurement Manual.
Noise 4:	Vibration Nuisance. Vibration emitted from the ERA must not cause an environmental nuisance at any nuisance sensitive place or commercial place.
Noise 5:	Vibration emitted from activities must not exceed the levels specified in Table 2 - Vibration nuisance at a nuisance sensitive place.
Noise 6:	Vibration Monitoring.

When requested by the administering authority, vibration monitoring and recording must be undertaken to investigate any complaint of vibration nuisance, and the results notified within 14 days to the administering authority. Monitoring must include:
a) peak particle velocity (mm/s);
b) location of the blast/s within the site (including which bench level);
c) atmospheric conditions including temperature, relative humidity and wind speed and direction;
d) the level and frequency of occurrence of impulsive or tonal noise;
e) atmospheric conditions including wind speed and direction;
f) effects due to extraneous factors; and
g) location, date and time of recording.

Noise 7: For vibration monitoring the ground-borne vibration transducer (or array) must be attached to a mass of at least thirty (30) kg to ensure good coupling with the ground where the blast site and the measurement site cannot be shown to be on the same underlying strata. The mass must be buried so that its uppermost surface is at the same level as the ground surface.

Noise 8: The ground-borne vibration transducer (or array) must be placed at a distance of at least the longest dimension of the foundations of a noise-affected building or structure away from such building or structure and between that building or structure and the site of the blasting.

Noise 12: All noise from activities must not exceed the levels specified in Table 1 - Noise limits at any nuisance sensitive or commercial place.

Noise 13: Blasting must not be carried out other than during the times specified in Tables 1 - Noise limits and Table 2 - Vibration limits at a nuisance sensitive place.

Agency Interest: Social

Social 1: Complaint Response.

The operator of the ERA must record the following details for all complaints received 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.

Agency Interest: Waste

Waste 1: No wastes, other than overburden and reject quarry material may be disposed of on the site.

Agency Interest: Water

Water 1: Contaminants other than settled/treated stormwater runoff waters must not be released from the site to surface waters or the bed or banks of surface waters.

Water 3: Erosion Protection Measures And Sediment Controls. Erosion protection measures and sediment control measures must be implemented and maintained to minimise erosion and the release of sediment. These measures must include the collection and treatment of all stormwater and runoff from all disturbed areas of the site. Treatment measures may include sediment traps and a sedimentation dam. The size of any sedimentation dam must be sufficient to contain the run-off expected from a 24 hour storm with an average recurrence interval of 1 in 5 years.

Water 5: Suitable banks and/or diversion drains must be installed and maintained to exclude stormwater runoff from entering any disturbed areas.

Activity: ERA 22(b) Screening etc. materials - screening, washing, crushing, grinding, milling, sizing or separating material extracted from the earth (other than under a mining tenement or authority lease, licence or permit mentioned in item 21C or 21D) or by dredging using plant or equipment having a design capacity of more than 5 000 t, but less than 100 000 t, a year.

Agency Interest: General

General 8: Prevent and/or minimise likelihood of environmental harm.

In carrying out an ERA to which this approval relates, all reasonable and practicable measures must be taken to prevent and / or to minimise the likelihood of environmental harm being caused.

General 9: Records.

Record, compile and keep all monitoring results required by this approval and present this information to the administering authority when requested.

General 10: Maintenance Of Measures, Plant and Equipment.

The operator of an ERA to which this approval relates must:
(a) install all measures, plant and equipment necessary to ensure compliance with the conditions of this approval; and
(b) maintain such measures, plant and equipment in a proper and efficient condition; and
(c) operate such measures, plant and equipment in a proper and efficient manner.

General 11: Site Based Management Plan.

From commencement of an ERA to which this approval relates, a site based management plan (SBMP) must be implemented. The SBMP must identify all sources of environmental harm, including but not limited to the actual and potential release of all contaminants, the potential impact of these sources and what actions will be taken to prevent the likelihood of environmental harm being caused. The SBMP must also provide for the review and 'continual improvement' in the overall environmental performance of all ERAs that are carried out.

The SBMP must address the following matters:
(a) Environmental commitments - a commitment by senior management to achieve specified and relevant environmental goals.
(b) Identification of environmental issues and potential impacts.
(c) Control measures for routine operations to minimise likelihood of environmental harm.
(d) Contingency plans and emergency procedures for non-routine situations.
(e) Organisational structure and responsibility.
(f) Effective communication.

(g) Monitoring of contaminant releases.
(h) Conducting environmental impact assessments.
(i) Staff training.
(j) Record keeping.
(k) Periodic review of environmental performance and continual improvement.

General 12: The site based management plan must not be implemented or amended in a way that contravenes any condition of this approval.

General 13: All records required by this approval must be kept for 5 years.

General 14: Notification.

Telephone the EPA's Pollution Hotline or local office as soon as practicable after becoming aware of any release of contaminants not in accordance with the conditions of this approval.

General 15: Monitoring.

A competent person(s) must conduct any monitoring required by this approval.

General 16: Equipment Calibration.

All instruments, equipment and measuring devices used for measuring or monitoring in accordance with any condition of this approval must be calibrated, and appropriately operated and maintained.

Agency Interest: Air

Air 4: Nuisance.

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.

Air 5: Dust Nuisance.

The release of dust and/or particulate matter resulting from the ERA must

not cause an environmental nuisance at any nuisance sensitive or commercial place.

Air 6: When requested by the administering authority, monitoring must be undertaken to investigate any complaint of environmental nuisance caused by a release to the atmosphere from a release point at the site, and the results thereof notified to the administering authority within 14 days following completion of monitoring.

Agency Interest: Land

Land 4: Spillage of all chemicals and fuels must be contained within an on-site containment system and controlled in a manner that prevents environmental harm.
NOTE: All petroleum product storage's must be designed, constructed and maintained in accordance with AS 1940 - Storage and Handling of Flammable and Combustible Liquids.

Land 5: Preventing Contaminant Release To Land.

Contaminants must not be released to land.

Agency Interest: Noise

Noise 9: Noise Nuisance.

Noise from the ERA must not cause an environmental nuisance at any nuisance sensitive place or commercial place

Noise 10: Noise Monitoring.

When requested by the administering authority, noise monitoring must be undertaken to investigate any complaint of noise nuisance, and the results notified within 14 days to the administering authority. Monitoring must include:
- airblast overpressure (dB (Lin) Peak);
- LA 10, adj, 10 mins
- LA 1, adj, 10 mins
- the level and frequency of occurrence of impulsive or tonal noise;
- atmospheric conditions including wind speed and direction;

- effects due to extraneous factors such as traffic noise; and
- location, date and time of recording.

Noise 11: The method of measurement and reporting of noise levels must comply with the latest edition of the Environmental Protection Agency's Noise Measurement Manual.

Noise 14: All noise from activities must not exceed the levels specified in Table 1 - Noise limits at any nuisance sensitive or commercial place.

Agency Interest: Social

Social 2: Complaint Response.

The operator of the ERA must record the following details for all complaints received 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.

Agency Interest: Waste

Waste 2: No wastes, other than overburden and reject quarry material may be disposed of on the site.

Agency Interest: Water

Water 2: Contaminants other than settled/treated stormwater runoff waters must not be released from the site to surface waters or the bed or banks of surface waters.

Water 4: Erosion Protection Measures And Sediment Controls. Erosion protection measures and sediment control measures must be implemented and maintained to minimise erosion and the release of sediment. These measures must include the collection and treatment of all stormwater and runoff from all disturbed areas of the site. Treatment measures may include sediment traps and a sedimentation dam. The size of any sedimentation dam must be sufficient to contain the run-off expected from a 24 hour storm with an average recurrence interval of 1 in 5 years.

Water 6: Suitable banks and/or diversion drains must be installed and maintained to exclude stormwater runoff from entering any disturbed areas.

END OF PERMIT