CNS281.2

ENVIRONMENTAL PROTECTION ACT 1994

Queensland Government
Environmental Protection Agency
Queensland Parks and Wildlife Service

Cairns District Office
PO Box 2066 CAIRNS QLD 4870
Phone: (07) 4046 6602 Fax: (07) 4046 6606
www.env.qld.gov.au ABN: 87221158786

Licence No. FN0667 (without development approval)

Section 311 *Environmental Protection Act 1994*

This licence, issued under the Environmental Protection Act 1994, allows the administering authority to make conditions with regard to financial assurances and matters relating to an Integrated Environmental Management System (IEMS). The licence and its conditions must be considered in conjunction with any conditions imposed on your development approval granted under the Integrated Planning Act 1997 or its equivalent.

Under the provisions of the *Environmental Protection Act 1994* this licence is issued to:

G Nicholson Pty Ltd
Trading as Mossman Quarries
9 Main Street
MOUNT MOLLY QLD 4871

in respect of carrying out the environmental relevant activities:

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 authority) 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, per year

22(b) Screening etc. materials - Screening, washing, crushing, grinding, milling, sizing or separating material extracted from the earth (other than under a mining authority) or by dredging using plant or equipment having a design capacity of 5 000 t or more, but less than 100 000 t, per year.

at the following place(s):

Lot 50, RP857603
Parish of Victory, County of Solander

located at:

Mountain View Drive
Shannonvale
via MOSSMAN QLD 4873

This transferred licence is subject to the conditions set out in the attached schedules.

The anniversary date of this licence is 13 June.

This transferred licence takes effect from 14 October 2004.

Mark Cavicchiolo — Signed

14 October 2004 — Date

Mark Cavicchiolo
Operations Manager
Cairns District, Northern Region
Delegate of Administering Authority
Environmental Protection Act 1994

Note: This licence document is not proof of the current status of the licence. The current status of the licence may be ascertained by contacting the Environmental Protection Agency.

Schedule of conditions

The aforementioned description of the ERA for which this authority is issued is simply a restatement of the activity as prescribed in the legislation at the time of issuing this authority. Where there is any conflict between the above description of the ERA for which this authority is issued and the conditions as specified in this authority as to the scale, intensity or manner of carrying out of the ERA, then such conditions prevail to the extent of the inconsistency.

This authority incorporates the following schedules of conditions relevant to various issues:

Schedule A	-	General Conditions
Schedule B	-	Air
Schedule C	-	Water
Schedule D	-	Stormwater Management
Schedule E	-	Land Application
Schedule F	-	Noise
Schedule G	-	Waste Management
Schedule H	-	Monitoring and Reporting
Schedule I	-	Definitions

SCHEDULE A - GENERAL CONDITIONS

Access to Copy of Environmental Authority

(A1) A copy of this environmental authority must be kept in a location readily accessible to personnel carrying out the activity.

Records

(A2) Any record or document required to be kept by a condition of this environmental authority must be kept at the licensed place for a period of at least five (5) years and be available for examination by an authorised person.

Alterations

(A3) No change, replacement or operation of any plant or equipment is permitted if the change, replacement or operation of the plant or equipment increases, or is likely to substantially increase, the risk of environmental harm above that expressly provided by this environmental authority.

An example of a substantial increase in the risk of environmental harm is an increase of 10% or more in the quantity of the contaminant to be released into the environment.

Monitoring and Measurements

(A4) All instruments and devices used for the measurement or monitoring of any parameter under any condition of this environmental authority must be calibrated, and appropriately operated and maintained.

Integrated Environmental Management System (IEMS)

(A5) The holder of this environmental authority must:

(a) implement an Integrated Environmental Management System which provides for the following functions:

(i) the monitoring of releases of contaminants into the environment and an environmental assessment of the releases; and

(ii) staff training and awareness of environmental issues; and

(iii) the conduct of environmental and energy audits; and

(iv) waste prevention, treatment and disposal.

(b) on or before 30th June 1997, have completed and implemented the Integrated Environmental Management System; and

(A6) A copy of the Integrated Environmental Management System must be kept at the licensed place.

END OF CONDITIONS FOR SCHEDULE A

SCHEDULE B - AIR

Dust Control

(B1) In the event of a complaint about dust that the administering authority considers is reasonable, in the absence of an Environmental Protection Policy for air quality, the holder of this environmental authority must ensure that the ground level concentration of dust caused by any of the site's activities complies with the environmental quality objectives for nuisance dust and suspended particulate produced by the National Health and Medical Research Council, of less than or equal to 150mg/m^2/day as measured in accordance with the requirements of Australian Standard AS3580.10.1 - 1991 for Ambient Air - Particulate Matter, until the circumstances which gave rise to the complaint are resolved.

(B2) Water sprays are to be installed and operated as necessary to minimise the release of dust and particulate matter to the atmosphere.

Loss of Materials During Transit

(B3) The tailgates of all trucks leaving the premises must be securely fixed prior to loading and immediately after unloading to prevent loss of materials.

(B4) Material won from the carrying out of the environmentally relevant activities and leaving the licensed place must be covered if the material being transported is susceptible to wind-blown releases or spillage. This covering must be installed prior to leaving the licensed place and maintained until immediately before unloading.

(B5) Trafficable areas must be maintained in a condition which minimises the release of wind blown or traffic generated dust

(B6) The holder of this environmental authority must dress on-site approaches to causeways across Ball Creek with gravel or other suitable material to control soil erosion.

(B7) Material placed in the bed of Ball Creek to traverse the site must be removed on completion of operations.

END OF CONDITIONS FOR SCHEDULE B

SCHEDULE C - WATER

Release of Contaminants to Waters

(C1) The only contaminants permitted to be released to waters (Ball Creek) from the licensed place are suspended solids during overflow events from the settlement ponds constructed and maintained in accordance with condition number (D14) of this environmental authority.

END OF CONDITIONS FOR SCHEDULE C

SCHEDULE D - STORMWATER MANAGEMENT

Vehicle maintenance and refuelling

(D1) The maintenance and cleaning of vehicles and any other equipment or plant must not be carried out in areas from which contaminants can be released into any waters, roadside gutter or stormwater drainage system which drain to outside of the site boundaries.

(D2) Any spillage of wastes, contaminants or other materials must be cleaned up as quickly as practicable. Such spillage must not be cleaned up by hosing, sweeping or otherwise releasing such wastes, contaminants or material to any stormwater drainage system, roadside gutter or waters outside the site boundaries.

Bunding

(D3) All chemical and petroleum product storage containers must be bunded so that the capacity of the bund is sufficient to contain at least 100% of the largest storage tank plus 10% of the second largest tank within the bund.

(D4) All bunding must be constructed and maintained so as to be impervious to the materials being stored within it.

(D5) All bunding must be roofed where practicable.

(D6) The holder of this environmental authority must ensure that any stormwater captured within the bund is free from contaminants or wastes prior to any release.

(D7) A pump must be utilised in the removal of spilled chemical and petroleum product from the bunded areas. The chemical and/or petroleum product must be transferred to an impervious, sealed waste container and removed by a regulated waste transporter who is licensed to remove such waste.

SCHEDULE F - NOISE

Emission of Noise

(F1) In the event of a complaint about noise that the administering authority considers is reasonable, then the emission of noise from the activity must not result in levels greater than those specified in Table 1 of the Noise Schedule until the circumstances which gave rise to the complaint are resolved.

Schedule F - Table 1

Noise Level at a Noise Sensitive Place Measured as the Adjusted Maximum Sound Pressure Level $L_{Amax\ adj,T}$	**Period**
Background noise level plus 5 dB(A)	7 am - 6 pm
Background noise level plus 5 dB(A)	6 pm - 10 pm
Background noise level plus 3 dB(A)	10 pm - 7 am
Noise Limits at a Commercial Place Measured as the Adjusted Maximum Sound Pressure Level $L_{Amax\ adj,T}$	**Period**
Background noise level plus 10 dB(A)	7 am - 6 pm
Background noise level plus 10 dB(A)	6 pm - 10 pm
Background noise level plus 8 dB(A)	10 pm - 7 am

END OF CONDITIONS OF SCHEDULE F

SCHEDULE G - WASTE MANAGEMENT

General

(G1) The holder of this environmental authority must not:

(a) allow waste to burn or be burned at or on the licensed place; nor

(b) remove waste from the licensed place and burn such waste elsewhere.

(D8) All required pipework from the bunded areas must be:

(a) directed over the bund wall; or

(b) effectively sealed against leakage if passing through the bund wall.

Sediment and Erosion Control

(D9) Upstream stormwater runoff must be diverted from exposed or disturbed areas.

(D10) Diversion drains, appropriate grades or equivalent must be installed to ensure surface waters from disturbed areas, including operational or trafficable areas, are diverted to the settlement ponds where possible, or away from directly entering nearby waterways.

(D11) All runoff from the crushing, screening, and any washing operations, stockpiles and the areas used for the operation of these facilities must be directed to the settlement ponds.

(D12) Drainage through and from all trafficable areas and production activities must be designed to minimise the surface flow velocities.

(D13) Diversion drains, settlement ponds and associated sediment control structures must be maintained at all times during the period of operation and checked, repaired or replaced as required to ensure the efficiency of the sediment control system.

Pond Conditions

(D14) All settlement ponds must have sufficient freeboard to ensure there is adequate storage in addition to groundwater to contain runoff from a 1 in 10 year storm event.

Re-Vegetation Management

(D15) With the exception of vertical walls, all completed extraction areas must be reprofiled, topsoil spread with a minimum of 300mm thickness, and rehabilitation commenced prior to the onset of the wet season.

(D16) Where vegetative regrowth has not adequately occurred (ie, average groundcover less than 50%) within one (1) month of topsoiling, supplementary seeding/planting must be undertaken.

(D17) For the life of the extractive activity, the holder of this environmental authority shall ensure that revegetation areas are monitored and maintained to have at least 50% vegetative ground cover.

END OF CONDITIONS FOR SCHEDULE D

SCHEDULE E - LAND APPLICATION

(E1) Nil conditions.

END OF CONDITIONS FOR SCHEDULE E

SCHEDULE F - NOISE

Emission of Noise

(F1) In the event of a complaint about noise that the administering authority considers is reasonable, then the emission of noise from the activity must not result in levels greater than those specified in Table 1 of the Noise Schedule until the circumstances which gave rise to the complaint are resolved.

Schedule F - Table 1

Noise Level at a Noise Sensitive Place Measured as the Adjusted Maximum Sound Pressure Level $L_{Amax\ adj,T}$	**Period**
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Background noise level plus 10 dB(A)	7 am - 6 pm
Background noise level plus 10 dB(A)	6 pm - 10 pm
Background noise level plus 8 dB(A)	10 pm - 7 am

END OF CONDITIONS OF SCHEDULE F

SCHEDULE G - WASTE MANAGEMENT

General

(G1) The holder of this environmental authority must not:

(a) allow waste to burn or be burned at or on the licensed place; nor

(b) remove waste from the licensed place and burn such waste elsewhere.

Off Site Movement

(G2) Where regulated waste is removed from the licensed place the holder of this environmental authority must monitor and keep records of the following:

(a) the date, quantity and type of waste removed; and

(b) name of the waste transporter and/or disposal operator that removed the waste; and

(c) the intended treatment/disposal destination of the waste.

END OF CONDITIONS FOR SCHEDULE G

SCHEDULE H - MONITORING AND REPORTING

Complaint Recording

(H1) All complaints received by the holder of this environmental authority relating to releases of contaminants from operations at the licensed place must be recorded and kept with the following details:

(a) time, date and nature of complaint;

(b) type of communication (telephone, letter, personal etc.);

(c) name, contact address and contact telephone number of complainant (Note: if the complainant does not wish to be identified then "Not identified" is to be recorded);

(d) response and investigation undertaken as a result of the complaint;

(e) name of person responsible for investigating complaint; and

(f) action taken as a result of the complaint investigation and signature of responsible person.

Notification of Emergencies and Incidents

(H2) Where the holder of this environmental authority has not given notification to the administering authority under section 37 of the Environmental Protection Act, as soon as practicable after becoming aware of any emergency or incident which results in the release of contaminants not in accordance, or reasonably expected to be not in accordance with the conditions of this environmental authority, the holder of this environmental authority must notify the administering authority of the release by telephone or facsimile.

(H3) Where the holder of this environmental authority has not given notification to the administering authority under section 37 of the Environmental Protection Act, the notification of emergencies or incidents as required by condition number (H2) must include but not be limited to the following:

(a) the holder of this environmental authority;

(b) the location of the emergency or incident;

(c) the name and telephone number of the designated contact person;

(d) the time of the release;

(e) the time the holder of this environmental authority became aware of the release;

(f) the suspected cause of the release;

(g) the environmental harm and or environmental nuisance caused, threatened, or to be caused by the release; and

(h) actions taken to prevent further any release and mitigate any environmental harm and or environmental nuisance caused by the release.

(H4) Where the holder of this environmental authority has not given notification to the administering authority under section 37 of the Environmental Protection Act, not more than fourteen (14) days following the initial notification of an emergency or incident, the holder of this environmental authority must provide written advice of the information supplied in accordance with condition number (H3) in addition to:

(a) proposed actions to prevent a recurrence of the emergency or incident; and

(b) outcomes of actions taken at the time to prevent or minimise environmental harm and or environmental nuisance.

END OF CONDITIONS FOR SCHEDULE H

SCHEDULE I - DEFINITIONS

For the purposes of this environmental authority the following definitions apply:

(I1) "administering authority" means the Environmental Protection Agency or its successor.

(I2) "licensed place" means Lot 50, RP857603, Parish of Victory, County of Solander located at Mountain View Drive, Shannonvale, via Mossman Qld 4873.

(I3) "the holder of this environmental authority" means G Nicholson Pty Ltd trading as Mossman Quarries.

Noise Definitions.

(I4) "$L_{Amax\ adj,T}$" means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over a time period of not less than fifteen (15) minutes, using Fast response.

(I5) "background noise level" means: $L_{A90,T}$ being the A-weighted sound pressure level exceeded for 90 percent of the time period of not less than fifteen (15) minutes, using Fast response

(I6) "noise sensitive place" means:

(a) a dwelling, mobile home or caravan park, residential marina or other residential premises; or

(b) a motel, hotel or hostel; or

(c) a kindergarten, school, university or other educational institution; or

(d) a medical centre or hospital; or

(e) a protected area; or

(f) a public park or gardens.

END OF CONDITIONS FOR SCHEDULE I

END OF ENVIRONMENTAL AUTHORITY