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environmental licences and permits

Item Id 159
NOR/ 045185

FOLIO P/S TSV 219 V1
TSV2009 / 1083

Certificate of Registration

No: ENRE00840508

This registration certificate is issued by the Environmental Protection Agency and takes effect from: 04-FEB-2009

The anniversary day for the purposes of the Annual Return remains: 4th January.

This registration certificate is a requirement of section 73F of the *Environmental Protection Act 1994* and authorises the registered operator to undertake the activity listed below at the following place; subject to the conditions set out in a development approval attached to the premises, or the relevant code of environmental compliance.

Registered Operator:-

QNI Resources Pty Ltd

Yabulu Refinery

Greenvale Street,

YABULU QLD 4818

Place:-

Lot 1 Plan RP722352, Lot 1 Plan RP726771, Lot 1 Plan RP726908, Lot 1 Plan RP730220, Lot 165 Plan EP1308, Lot 2 Plan RP709243, Lot 2 Plan RP725940, Lot 2 Plan RP725941, Lot 2 Plan RP726908, Lot 2 Plan RP732796, Lot 277 Plan CPK124656, Lot 3 Plan RP709243, Lot 3 Plan RP725940, Lot 3 Plan RP726908, Lot 4 Plan RP704282

Environmental Protection Agency
www.epa.qld.gov.au ABN 87 221 158 786

4/2/09

Queensland Government
Environmental Protection Agency
Queensland Parks and Wildlife Service

Certificate of Registration
No: ENRE00840508

Located at:-

Greenvale Street, YABULU QLD 4818

Registered Activity/ies: -

ERA 16 Extractive and screening activities Threshold 1(a) - dredging, in a year, 1000t to 10000t of material

Peter Gibson

Delegate
Environmental Protection Agency

04-FEB-2009

Queensland Government

Environmental Protection Agency

Enquiries Les Mills
Telephone 07-47225355
Your reference
Our reference TSV 219

4th February 2009

QNI Resources Pty Ltd
PMB 5
TOWNSVILLE QLD 4810
Attention: Cheryl Ward

Dear Ms Ward

Implementation of the *Environmental Protection Regulation 2008* - Registration Certificate ENRE00840508

Thank you for responding to the annual return notice dated 19th December 2008 for registration certificate ENRE00840508 (formerly NR0248).

In accordance with your agreement to allocate the environmentally relevant activity (ERA) – 16-(1a) Dredging, please find enclosed the amended registration certificate reflecting the changed activity.

If you have any questions regarding this matter please contact Les Mills on 47225355.

Yours sincerely

Peter Gibson
Manager, Environment
Environmental Services
Townsville Region

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Printed on 100% recycled paper

Item Id 1599869
NOR/ 045185

QUEENSLAND GOVERNMENT
Department of Environment
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PO Box 5391, TOWNSVILLE, QLD 4810
Telephone (07) 4722 5211 • Facsimile (07) 4722 5222

Enquiries to J. Taylor
Telephone (07) 47225353
Your reference
Our reference NR248

QNI Resources Pty Ltd
Greenvale Street
YABULU 4818

Attention Mr Alan Chirgwin

Dear Sir

Application for Environmental Authority

I refer to the application made by QNI Resources Pty Ltd for an environmental authority under the *Environmental Protection Act 1994.*

A decision has been made under s45 of the *Environmental Protection Act 1994* to issue a licence to carry out the following environmentally relevant activity:

19. Dredging material—dredging material from the bed of any waters (other than dredging by a port authority of material for which a royalty or similar charge is not payable) using plant or equipment having a design capacity of—

(a) not more than 5 000 tonnes per year

The licence takes effect from 4 January 1999.

Please find attached a copy of the licence.

Information relating to a review of, or appeal against, this decision under the Act is attached.

Should you have any questions regarding this matter, please contact the officer listed above.

Yours faithfully

E. Gustavson

Eric Gustavson
Regional Manager (Environment)
Northern

date 15 December 1998

Environmental Authority No. NR248

Section 45(1)

Under the provisions of the *Environmental Protection Act 1994* this environmental authority is issued:

To: QNI Resources Pty Ltd

Address: Greenvale Street, Yabulu

in respect of carrying out the environmentally relevant activity:

19. Dredging material—dredging material from the bed of any waters (other than dredging by a port authority of material for which a royalty or similar charge is not payable) using plant or equipment having a design capacity of—
(a) not more than 5 000 tonnes per year

at the following place:

Lot 4 Plan RP704282, Lot 1 Plan RP722352, Lots 2 and 3 Plan RP725940, Lot 2 Plan RP725941, Lot 1 Plan RP726771, Lots 1, 2 and 3 Plan RP726908, Lot 2 Plan RP732796, Lot 165 Plan EP1308, Lot1 Plan RP730220, Lots 2 and 3 Plan RP709243, Lot 3 Plan RP709243, Lot 277 Plan CPK124656

located at:

Greenvale Street, Yabulu

This environmental authority is issued subject to the conditions set out in the schedules attached to this environmental authority.

This licence takes effect from 4 January 1999.

signed E Gustavson

Eric Gustavson
Delegate of Administering Authority
Environmental Protection Act 1994

date 15 December 1998

This environmental authority consists of the following schedules:-

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

15/12/98

SCHEDULE A - GENERAL CONDITIONS

Display 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 years. The record retention requirements of this condition will be satisfied if any daily and weekly records are kept for a period of at least three (3) years and these records are then kept in the form of annual summaries after that period.

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 by a person or body possessing appropriate experience and qualifications to perform the required determinations and the required measurements.

Environmental Management Plan

(A5) The holder of this environmental authority must carry out dredging and associated activities in accordance with the commitments made in the document "Specification and Environmental Management Plan for Removal of Sand Blockage in the Tidal Channel of Blind Creek - September 1998" unless indicated otherwise in this environmental authority.

(A6) A copy of the "Specification and Environmental Management Plan for Removal of Sand Blockage in the Tidal Channel of Blind Creek - September 1998" must be kept in a location readily accessible to personnel carrying out the activity.

End of conditions for Schedule A

15/12/98

SCHEDULE B - AIR

Nil Conditions

End of conditions for Schedule B

15/12/98

SCHEDULE C - WATER

(C1) All material excavated in the dredging operations must be disposed of directly to Tailings Dams #4 using appropriate equipment and the holder of this environmental authority must take all precautions to minimise the loss of all dredged material in transit.

Quality Characteristics of Monitoring Locations

(C2) The dredging operation must be conducted to comply at monitoring location W1 with each of the quality characteristic limits specified in Schedule C Table 1 at the frequency specified in Schedule H Table 1.

W1 - within an area 20 m downcurrent of where runoff from dredging operations enter the waters of Blind Creek.

Schedule C Table 1 - Quality Characteristics Limits

QUALITY CHARACTERISTICS	MONITORING LOCATIONS	RELEASE POINT LIMIT	LIMIT TYPE
Turbidity (NTU)	W1	Ambient + 20%	maximum
Total Suspended Solids (mg/L)	W1	Ambient + 20%	maximum
pH (pH Units)	W1	6.5 - 8.5	range
Dissolved Oxygen (mg/L)	W1	Ambient - 10%	minimum

(C3) Ambient levels described in Schedule C Table 1 refer to levels measured at a minimum of one control location in the receiving water.

(C4) Notwithstanding the quality characteristic limits specified in Schedule C Table 1, the release of contaminants to water must comply with the following qualitative characteristics:

(a) The release must not have any properties nor contain any organisms or other contaminants which are capable of causing environmental harm; and

(b) the release must not produce any slick or other visible evidence of oil or grease, nor contain visible floating oil, grease, scum, litter or other objectionable matter.

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Maintenance and Clean up of machinery used for dredging.

(C5) The maintenance and cleaning of vehicles and any other earthmoving equipment must be carried out in areas from where contaminants cannot be released or be washed into waters, roadside or stormwater drainage system.

(C6) 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.

End of conditions for Schedule C

15/12/98

SCHEDULE D - STORMWATER MANAGEMENT

(D1) Access to the designated sand removal area must be restricted to the Proposed Access Track, as defined in "Specification and Environmental Management Plan for Removal of Sand Blockage in the Tidal Channel of Blind Creek - September 1998."

Acid Sulfate Soils

(D2) Materials exposed in the dredging operations must be treated and/or placed in such a state and/or condition such that the pH value of stormwater runoff and/or leachate likely to enter any waters from dredging spoil or materials is not less than 6.5 and not greater than 8.5.

End of conditions for Schedule D

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SCHEDULE E - LAND APPLICATION

Nil Conditions

End of conditions for Schedule E

15/12/98

SCHEDULE F - NOISE

Noise Complaints

(F1) Upon receipt of a complaint regarding the emission of noise the holder of this environmental authority must, within a reasonable period of time:

(a) take any actions necessary to resolve the complaint including the use of appropriate dispute resolution if required; or

(b) implement noise abatement measures until emissions of noise from the activity does not result in sound pressure levels at the affected noise sensitive place greater than those specified in Schedule F Table 1.

Schedule F - Table 1 - Noise Limits

SOUND PRESSURE LEVEL	PERIOD	
	7am to 6pm	6pm to 7am
L_{eq}	50	45
L_{max}	55	50

(F2) For the purposes of determining compliance with the limits specified in Schedule F Table 1:

(a) the sound pressure level should not exceed the level specified measured over any 15 minute period that is representative of the noise being investigated;

(b) the measurement location is 4.0 metres (± 0.5 metres) outside the part of the place most affected by the noise under investigation.

(F3) All determinations of noise emissions must be carried out in accordance with the Department of Environment and Heritage's Noise Measurement Manual, second edition, March 1995, or more recent additions or supplements to that document as they become available.

End of conditions for Schedule F

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SCHEDULE G - WASTE MANAGEMENT

General

(G1) The holder of this environmental authority must not

(i) allow waste to burn or be burned at or on the licensed place; nor
(ii) remove waste from the licensed place and burn such waste elsewhere

unless otherwise permitted by a condition of an environmental authority for the licensed place.

Off Site Movement

(G2) Where regulated waste is removed from the licensed place (other than by a release as permitted under another schedule of this environmental authority), 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

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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.

Sampling and Monitoring Point Details

(H2) The holder of this environmental authority is responsible for the making of determinations and keeping of records of the quality of the waters at W1 and the control location as described in condition C3 for the quality characteristics, and at the frequency specified in Schedule H Table 1.

(H3) The holder of this environmental authority must ensure that the results of all monitoring performed in accordance with this environmental authority for the period covered by the annual return is submitted with the Annual Return or upon surrender of the licence, whichever is the sooner.

(H4) All determinations of the quality of waters at W1 and the control location as described in condition C3 must be made in accordance with methods prescribed in the Department of Environment Water Quality Sampling Manual, 2nd Edition, February 1995, or more recent additions or supplements to that document as such become available.

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Schedule H - Table 1 - Required Monitoring Location Determinations

QUALITY CHARACTERISTIC DETERMINATION	MONITORING POINTS	FREQUENCY
Turbidity	W1, Control Location	Each day that dredging occurs and as stated in the Environmental Management Plan
Total Suspended Solids	W1, Control Location	Each week that dredging occurs and as stated in the Environmental Management Plan
pH	W1, Control Location	Each day that dredging occurs and as stated in the Environmental Management Plan
Dissolved Oxygen	W1, Control Location	Each day that dredging occurs and as stated in the Environmental Management Plan

End of conditions for Schedule H

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SCHEDULE I - DEFINITIONS

(I1) "licensed place" means QNI Resources Pty Ltd located at Greenvale Street, Yabulu.

(I2) "Environmental Management Plan" means the environmental management plan contained in the document "Specification and Environmental Management Plan for Removal of Sand Blockage in the Tidal Channel of Blind Creek - September 1998."

(I3) "appropriate dispute resolution" means allowing parties in dispute about an alleged or potential noise nuisance to discuss the matter without threat of legal action. Disputes caused through noise may be discussed in conference:

(a) at a dispute centre under the *Dispute Resolution Centre Act 1990*;
(b) with a National Dispute Centre approved mediator;
(c) with a Queensland Law Society approved mediator;
(d) by a professional service offering independent mediation or dispute resolution conference process; or
(e) by an administering authority or industry organisation offering an independent mediation or dispute resolution conference process.

(I4) "L_{eq}" means the equivalent continuous A-weighted sound pressure level adjusted for noise character and measured over a time period of not less than 15 minutes using fast response.

(I5) "L_{max}" means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over a time period of not less than 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.

(I7) "mg/L" means milligrams per litre.

(I8) "NTU" means Nephelometric Turbidity Units

(I9) "maximum" means that the measured value of the quality characteristic or contaminant must not be greater than the release limit stated.

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(I10) "minimum" means that the measured value of the quality characteristic or contaminant must not be less than the release limit stated.

(I11) "range" means that the measured value of the quality characteristic or contaminant must not be greater than the higher release limit stated nor lower than the lower release limit stated.

(I12) "Control location" means a place where samples or measurements are taken to indicate appropriate and relevant data so that ambient conditions may be decided. A control location should be devoid of the factor which is to be tested as the source of the putative impact and, as far as practicable, contain similar physiographic features and not contain additional sources of impact.

End of conditions for Schedule I

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