Permit

Environmental Protection Act 1994

Environmental authority EPPR00196713

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

Environmental authority number: EPPR00196713

Environmental authority takes effect on 20-05-2021

Environmental authority holder(s)

Name(s)	Registered address
FA & J Bonassi Farming Pty Ltd	Pricewaterhousecoopers 51-59 Sturt Street TOWNSVILLE QLD 4810

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
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 58 on CWL353, Lot 861 on FTY1764
ERA 16 - Extraction and Screening 3: Screening, in a year, the following quantity of material (a) 5,000t to 100,000t	Lot 58 on CWL353, Lot 861 on FTY1764

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).

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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, 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

Date issued: 20 May 2021

Enquiries:
Energy and Extractive Resource Business Centre
GPO Box 2454, BRISBANE QLD 4001

Phone: (07) 3330 5715
Email: EnergyandExtractive@des.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)

Part 1 – conditions for Lot 58 Plan CWL353

Environmentally relevant activity(ies)	Locations(s)
ERA 16 - Extraction and Screening 3: Screening, in a year, the following quantity of material (a) 5,000t to 100,000t	Lot 58 Plan CWL353
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	

The environmentally relevant activity(ies) conducted at the locations described above for this part must be conducted in accordance with the following site-specific conditions.

Agency interest: General	
Condition number	**Condition**
A1	A copy of this environmental authority must be kept in a location readily accessible to personnel carrying out the activity.
A2	Any record or document required to be kept by a condition of this environmental authority must be kept at the site office for a period of at least five years and be available for examination by an authorised person. For daily and weekly records, the record retention requirements of this condition will be satisfied if any daily or weekly records are kept for a period of at least three (3) years and the records are then kept in the form of annual summaries after that period.
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 substantial increase in the risk of environmental harm is an increase of 10% or more of the quantity of the contaminant to be released into the environment.
A4	The holder of this environmental authority shall ensure that the operation and maintenance of plant and equipment is carried out by or under the supervision of a person competent to operate and maintain the plant and equipment.

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Agency interest: Air	
Condition number	**Condition**
B1	In the event of a complaint being made to the administering authority about dust generated on the licenced place that constitutes annoyance and that the administering authority considers to be neither frivolous or vexatious, the holder of this environmental authority must take all reasonable and practical measures to minimise the quantity of dust released beyond the boundary of the licenced place.
B2	Stockpiles must be maintained using all reasonable and practical measures to minimise the release of wind-blown dust or particulate matter to the atmosphere.
B3	All internal roadways must be sprayed with water to minimise the release of dust and particulate matter to the atmosphere.
B4	Where necessary, water spray or other approved devices are to be installed and operated on the screening operational areas to minimise the release of dust and particulate matter to the atmosphere.
B5	Where necessary to minimise the release of dust and particulate matter to the atmosphere, trucks transporting material from the licenced place must be covered as soon as reasonably practical after loading to prevent wind-blown releases and spillage. The covering must be maintained until immediately before unloading the trucks.
B6	Where necessary to minimise the release of dust and particulate matter to the atmosphere, the tailgates of all trucks leaving the licenced place must be securely fixed prior to loading.
B7	Completed areas must be stabilised by landscaping or revegetation as soon as practicable.

Agency interest: Water	
Condition number	**Condition**
C1	Contaminants that may cause environmental harm must not be directly or indirectly released from any source on the licenced place to any waters except as permitted under this environmental authority.

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Agency interest: Stormwater Management	
Condition number	**Condition**
D1	The maintenance and cleaning of vehicles and other equipment or plant must be carried out in the areas from where contaminants cannot be released into any waters, roadside gutter or stormwater drainage system.
D2	Management measures must be employed on the screening, stockpiling and quarry operational areas and operated as necessary to minimise the release of dust and particulate matter to the stormwater.
D3	Sediment retention ponds must be installed on the site and maintained to prevent any discharge through the bed or banks of the pond.
D4	A sediment retention pond capable of accepting stormwater run-off from the quarry area is to be provided. The sediment retention pond must be either: i. at least capable of containing stormwater runoff from a 24 hour rainfall event having an annual recurrence interval of 10 years; or ii. of a capacity equal to 600m^3/ha of quarry catchment surface area; whichever is the lesser.
D5	Stormwater runoff from the quarry and areas utilised for the operation of the activity must be directed to the sediment retention pond in accordance with condition D4.
D6	Sediment collected in the sediment retention pond must be removed whenever a build-up of sediments has: i. occurred beyond one third of total pond volume; or ii. if less than one third of total pond volume, any sediments which occur around the outlet structure.
D7	All sediment retention pond discharge pipes must be fitted with flume material which must be installed and maintained in good working order.
D8	All flume discharges must be directed to natural watercourses, where practicable, or via overland flow, provided there is no scouring or re-suspension of sediment prior to discharge off the licenced place.

Agency interest: Land Application	
Condition number	**Condition**
E1	NIL CONDITIONS

Agency interest: Noise	
Condition number	**Condition**
F1	In the event of a complaint being received by the administering authority about noise that the administering authority considers is reasonable, then the holder of this environmental authority may be required to implement practicable abatement measures to reduce emission of noise from the activity.
F2	Noise from blasting operations must not exceed an airblast overpressure of 115 dB (Lin) Peak for more than 1 blast out of any 5 consecutive blasts when measured outside the most exposed part of an affected noise sensitive place.
F3	Blasting is restricted to a maximum of 3 blasts in any consecutive 7 day period.
F4	All operations on the licenced place must only be conducted between 7:00am and 6:00pm Monday to Saturday, with no works conducted on Sunday's or Public holidays.

Agency interest: Waste	
Condition number	**Condition**
G1	The holder of this environmental authority must not: i. burn waste at or on the licenced place; nor ii. allow waste to burn or be burned at or on the licenced place; nor iii. remove waste from the licenced place and burn such waste elsewhere.
G2	All waste generated as a result of carrying out the environmental activity at the licenced place must be disposed of at a place which is lawfully able to accept such waste.

Agency interest: Monitoring and Reporting	
Condition number	**Condition**
H1	All complaints received by the holder of this environmental authority relating to releases of contaminants from operations at the licenced 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 phone 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 the complaint; and (f) action taken as a result of the complaint investigation and signature of responsible person.
H2	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 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, facsimile or submission of a program notice in accordance with Section 101 of the Act.
H3	The notification of emergencies or incidents as required by condition H2 must include not but be limited to the following: i. the holder of the environmental authority; ii. the location of the emergency or incident; iii. the number of the environmental authority; iv. the name and telephone number of the designated contact person; v. the time the holder of the environmental authority became aware of the release; vi. the environmental harm and or environmental nuisance caused, threatened, or suspected to be caused by the release; and vii. actions taken to prevent further any release and mitigate any environmental harm and or environmental nuisance caused by the release, Unless a program notice in accordance with Section 101 of the Act is submitted.

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H4	Not more than 14 days following the initial notification of any 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: i. proposed actions to prevent a recurrence of the emergency or incident; ii. outcomes of actions taken at the time to prevent or minimise environmental harm and or environmental nuisance.
H5	A draft environmental management program dealing with the activity submitted to the administering authority for approval, fulfils the requirements of condition H4(i).

Part 1 Definitions

Key terms and/or phrases used in Part A of this document are defined in this section. 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.

"m"	means metre
"ha"	means hectare
"licenced Place"	means Lot 58 on CWL353 County of Cardwell, Parish of Ellerbeck on Quarry Reserve R302, Bruce Highway, CARDWELL QLD 4849.
"(Lin) Peak"	means the time-weighting characteristic of a sound level meter specified in AS 1259 set to the linear (flat) frequency rating.
"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.

Part 2 – conditions for Lot 86 Plan FTY1764

Environmentally relevant activity(ies)	Locations(s)
ERA 16 - Extraction and Screening 3: Screening, in a year, the following quantity of material (a) 5,000t to 100,000t	Lot 86 Plan FTY1764
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	

The environmentally relevant activity(ies) conducted at the locations described above for this part must be conducted in accordance with the following site-specific conditions.

Agency interest: General

Condition number	Condition
A1	A copy of this environmental authority must be kept in a location readily accessible to personnel carrying out the activity.
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.
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 substantial increase in the risk of environmental harm is an increase of 10% or more of the quantity of the contaminant to be released into the environment.
A4	All determinations of the quality of contaminants released to the environment and all measurement and reporting of noise levels that are required by this environmental authority must be undertaken by a person or body possessing appropriate experience and qualifications to perform the required determinations and the required measurements.
A5	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.

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A6	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; and v. a program for continuous improvement; and vi. reporting arrangements on the effectiveness of the environmental management of the activities. (b) on or before 1 June 1999, have implemented the Integrated Environmental Management System.
A7	A copy of the Integrated Environmental Management System must be kept in a location readily accessible to personnel carrying out the activity.

Agency interest: Air

Condition number	**Condition**
B1	In the event of a complaint made to the administering authority (which is neither frivolous or vexatious) about dust generated in carrying out the environmentally relevant activity, and the dust is considered by the administering authority to be an unreasonable release, the holder of this environmental authority must take action to ensure that it is no longer an unreasonable release.
B2	Trucks transporting material won from the carrying out of the environmentally relevant activities from the licensed place must be covered immediately after loading where necessary to prevent wind-blown releases and spillage of materials being transported, and the cover must remain in place immediately prior to unloading the truck.

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Agency interest: Water	
Condition number	**Condition**
C1	With the exception of stormwater overflows from sediment basins in accordance with Stormwater Management conditions of this environmental authority, contaminants that may cause environmental harm must not be directly or indirectly released from any source on the licensed place to any waters at any location other than the contaminants and sources at the locations listed below: (a) Release Point WI - suspended solids from No.1 sediment basin tailwater discharge pipe to land immediately downslope of the basin. (b) Release Point W2 - suspended solids from No.2 sediment basin tailwater discharge pipe to land immediately downslope of the basin.

Agency interest: Stormwater Management	
Condition number	**Condition**
D1	Stormwater runoff from all disturbed areas within the quarry must be directed to either of the sediment basins.
D2	Sediment basins must be emptied of sediment as often as necessary but on at least a biannual basis to maintain their design capacity.
D3	Sediment removed from the sediment basins must not be stored or used in a manner which would be likely to release such sediment to a watercourse.
D4	Each sediment basin and its components must be maintained to ensure effective operation in accordance with design specifications in the October 1997 Stormwater Management Plan (prepared by McIntyre and Associates) until all remaining disturbed areas are rehabilitated.
D5	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.
D6	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.

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D7	All 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 of the second largest tank within the bund. Any works required to be carried out to comply with this condition must be finished by 1 September 1999.
D8	All bunding must be constructed and maintained so as to be impervious to the materials being stored within it.
D9	All bunding must be roofed where practicable and appropriate.
D10	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.
D11	A collection sump must be provided in the floor of the bunded area to facilitate the removal of liquids. The bund floor must be graded so that the fall is towards the collection sump.
D12	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.
D13	With the exception of vertical walls, rehabilitation of all completed extraction areas must commence within six (6) months of completion of extraction. The rehabilitation must have the following aims: (a) to screen bare vertical walls from view outside of the quarry as much as practicable; and/or (b) to provide adequate groundcover to minimise erosion.
D14	For the purpose of compliance with condition number (D13), where vegetative regrowth has not adequately occurred (i.e., vegetation survival rate of less than 50% within six (6) months of planting), supplementary seeding/planting must be undertaken.

Agency interest: Land application	
Condition number	**Condition**
E1	Nil conditions.

<table>
<tr><th colspan="2">Agency interest: Noise</th></tr>
<tr><th>Condition number</th><th>Condition</th></tr>
<tr><td>F1</td><td>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 until the circumstances which gave rise to the complaint are resolved.

Table 1
<table><tr><th>Noise Level at a Noise Sensitive Place Measured as the Adjusted Maximum Sound Pressure Level $L_{Amax, adj, T}$</th><th>Period</th></tr><tr><td>Background noise level plus 5 dB(a)</td><td>Monday to Saturday 7am-6pm</td></tr><tr><td>Background noise level plus 5 dB(a)</td><td>Monday to Saturday 6pm-10pm</td></tr><tr><td>Background noise level plus 3 dB(a)</td><td>Monday to Saturday 10pm-7am</td></tr><tr><td>Background noise level</td><td>All other times and public holidays</td></tr><tr><th>Noise Level at Commercial Place Measured as the Adjusted Maximum Sound Pressure Level $L_{Amax, adj, T}$</th><th>Period</th></tr><tr><td>Background noise level plus 10 dB(a)</td><td>Monday to Saturday 7am-6pm</td></tr><tr><td>Background noise level plus 10 dB(a)</td><td>Monday to Saturday 6pm-10pm</td></tr><tr><td>Background noise level plus 8 dB(a)</td><td>Monday to Saturday 10pm-7am</td></tr><tr><td>Background noise level plus 5 dB(a)</td><td>All other times and public holidays</td></tr></table></td></tr>
<tr><td>F2</td><td>Blasting operations must not result in airblast overpressure levels exceeding 115 dB (linear peak) for four (4) out of any five (5) consecutive blasts when measured outside the most exposed part of an affected noise sensitive place.</td></tr>
</table>

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F3	Ground vibration caused by blasting operations, when measured at the most exposed boundary of a noise-sensitive place, must not exceed: (a) 25mm/sec ground vibration, peak particle velocity, for vibrations of more than 35 Hz; or (b) 10mm/sec ground vibration, peak particle velocity, for vibrations less than or equal to 35Hz.

Agency interest: Waste Management

Condition number	Condition
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.
G2	Where regulated waste is removed from the licensed place (other than by a release as permitted under 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. Note: Records of documents maintained in compliance with a waste tracking system established under the *Environmental Protection Act 1994* or any other law for regulated waste will be deemed to satisfy this environmental authority condition.
G3	To prevent spillage from oil, fuels, solvent, detergent and liquid waste drums into stormwater, sewer or unsealed ground, such drums must be stored: (a) in a covered and bunded enclosure and in an upright position with the lid sealed; or (b) in a workshop with a sealed floor.

Agency interest: Monitoring and Reporting

Condition number	Condition
H1	All complaints received by the holder of this environmental authority relating to releases of contaminants from operations at the licenced 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 phone 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 the complaint; and (f) action taken as a result of the complaint investigation and signature of responsible person.
H2	Where the holder of this environmental authority has not given notification to the administering authority under section 37 of the *Environmental Protection Act 1994*, 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 1994*, 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 number of the environmental authority; (d) the name and telephone number of the designated contact person; (e) the time of the release; (f) the time the holder of this environmental authority became aware of the release; (g) the suspected cause of the release; (h) the environmental harm and or environmental nuisance caused, threatened, or to be caused by the release; and (i) 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 1994*, 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.

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Part 2 Definitions

Key terms and/or phrases used in Part C of this document are defined in this section. 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.

"administering authority"	means the Department of Environment and Science or its successor.
"$L_{Amax, adj, T}$"	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.
"background noise level"	means L 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.
"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
"commercial place"	means a place used as an office or for business or commercial purposes
"licensed place"	means part of State Forest Reserve 861 FTY 1764 Parish of Meunga, located at Logging Area, Murray Upper.
"the holder of this environmental authority"	means FA & J Bonassi Farming Pty Ltd.

END OF ENVIRONMENTAL AUTHORITY

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