

Environmental authority

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

Permit¹ number: EPPR00642213

Environmental authority takes effect on 8-MAR-2017.

The anniversary date of this environmental authority remains 11 October. An annual return and the payment of the annual fee will be due each year on this day.

Environmental authority holder(s)

Name	Registered address
Qcrush Pty Ltd	C/- ATS Partners, 19 Stanley Street, Woonga, VIC 3690

Environmentally relevant activity and location details

Part	Environmentally relevant activity(ies)	Location(s)
Part 1	16-(1a) Dredging >1000t but <10,000t yr	Fiery Creek - Lot 4 Plan SP120452
Part 2	16-(2a) Extractive >5000t but <100,000t yr 16-(3a) Screening >5000t but <100,000t yr	Mellish Park Station - Lot 2984 Plan PH1906
Part 3	16-(1a) Dredging >1000t but <10,000t yr 16-(3a) Screening >5000t but <100,000t yr	Gregory River - Lot 3 Plan SP194668
Part 4	16-(1a) Dredging >1000t but <10,000t yr	Sandy Creek - Lot 2 Plan CP907594
Part 5	16-(2a) Extractive >5000t but <100,000t yr 16-(3a) Screening >5000t but <100,000t yr	Yeldham Quarry - Lot 2 Plan CP907594
Part 6	16-(2a) Extractive >5000t but <100,000t yr 16-(3a) Screening >5000t but <100,000t yr	Brumby Quarry - Lot 2 Plan CP907594
Part 7	16-(1a) Dredging >1000t but <10,000t yr	Separation Quarry - Gregory River - Lot 3 Plan SP194668

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

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.

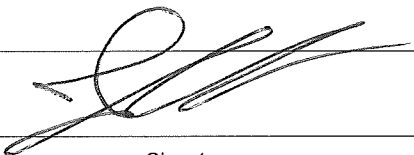
A person carrying out an ERA must also be a registered suitable operator under the *Environmental Protection Act 1994* (EP Act).

Contaminated land

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

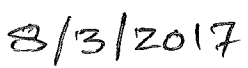
- a notifiable activity (as defined in Schedule 3) that is being, or has been, carried out on the land (notice must be given within 20 business days)
- an event involving a hazardous contaminant on the land, or a change in the condition of the contaminated land, that is causing, or is reasonably likely to cause, serious or material environmental harm (notice must be given within 24 hours).

For further information, including the form for giving written notice, refer to the Queensland Government website <http://www.qld.gov.au/> (using the search term 'managing contaminated land').



Signature

Tariq Khan
Department of Environment and Heritage Protection
Delegate of the administering authority
Environmental Protection Act 1994



Date

Enquiries:
Permit and Licence Management
Department of Environment and Heritage
Protection
GPO Box 2454
Brisbane QLD 4001
Phone: 1300 130 372
Email: palm@ehp.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

Part 1 – conditions relevant to Fiery Creek - Lot 4 Plan SP120452

Environmentally relevant activity(ies)	Location(s)
16-(1a) Dredging >1000t but <10,000t yr	Fiery Creek - Lot 4 Plan SP120452

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

Agency interest: General	
Condition number	Condition
G1	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.
G2	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; 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.
G3	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; and k) Periodic review of environmental performance and continual improvement.
G4	The site based management plan must not be implemented or amended in a way that contravenes any condition of this approval.
G5	Record, compile and keep all monitoring results required by this approval and present this information to the administering authority when requested.
G6	All records required by this approval must be kept for 5 years.
G7	Telephone the administering authority'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.
G8	An appropriate spill kit, personal protective equipment and relevant operator instructions/emergency procedure guides for the management of wastes and chemicals associated with the ERA must be kept at the site, and in each vehicle used if the activity is a mobile ERA.
G9	Anyone operating under this approval must be trained in the use of the spill kit.
G10	The latest edition of the administering authority's INSTRUCTIONS FOR THE TREATMENT AND MANAGEMENT OF ACID SULFATE SOILS, 2001, ('the Instructions') must be complied with when treating and managing acid sulfate soils.
G11	Acid sulfate soils must be managed such that contaminants are not directly or indirectly released to any waters.
G12	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: Air	
Condition number	Condition
A1	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.
A2	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: Water	
Condition number	Condition
W1	Erosion protection measures and sediment control measures must be implemented and maintained to minimise erosion and the release of sediment.
W2	Contaminants must not be released from the site to any waters or the bed and banks of any waters.
W3	There must be no release of stormwater runoff that has been in contact with any contaminants at the site to any waters, roadside gutter or stormwater drain.
Agency interest: Noise	
Condition number	Condition
N1	Noise from the ERA must not cause an environmental nuisance at any nuisance sensitive place or commercial place.
N2	The method of measurement and reporting of noise levels must comply with the latest edition of the administering authority's Noise Measurement Manual.
Agency interest: Land	
Condition number	Condition
L1	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.
L2	Rehabilitation of disturbed areas must take place progressively as works are staged and new areas of extraction are commenced.
L3	Contaminants must not be released to land.
L4	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 storages must be designed, constructed and maintained in accordance with AS 1940 - Storage and Handling of Flammable and Combustible Liquids.
Agency interest: Waste	
Condition number	Condition
WS1	A record of all regulated waste (excluding trackable waste) must be kept detailing the following information: a) date of pickup of waste; b) description of waste; c) quantity of waste; d) origin of the waste; and e) destination of the waste. Note: Trackable wastes have similar recording requirements to this condition. Therefore, records of documents maintained in compliance with a waste tracking system established under the above Regulation or any other law for recording details for the transport of regulated waste satisfy this condition.

Part 2 – conditions relevant to Mellish Park Station - Lot 2984 Plan PH1906

Environmentally relevant activity(ies)	Location(s)
16-(2a) Extractive >5000t but <100,000t yr 16-(3a) Screening >5000t but <100,000t yr	Mellish Park Station - Lot 2984 Plan PH1906

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

Agency interest: General	
Condition number	Condition
G1	In carrying out the environmentally relevant activities, you must take all reasonable and practicable measures to prevent and / or to minimise the likelihood of environmental harm being caused. Any environmentally relevant activity, that, if carried out incompetently, or negligently, may cause environmental harm, in a manner that could have been prevented, shall be carried out in a proper manner in accordance with the conditions of this approval. NOTE: This approval authorises the environmentally relevant activity. It does not authorise environmental harm unless a condition contained within this approval explicitly authorises that harm. Where there is no condition or the approval is silent on a matter, the lack of a condition or silence shall not be construed as authorising harm.
G2	The holder must: a) install all measures, plant and equipment necessary to ensure compliance with the conditions of this environmental authority; and b) maintain such measures, plant and equipment in a proper and efficient condition; and operate such measures, plant and equipment in a proper and efficient manner; and c) operate such measures, plant and equipment in a proper and efficient manner.
G3	Record, compile and keep all monitoring results required by this document and present this information to the administering authority when requested, in a specified format.
G4	All complaints received must be recorded including investigations undertaken, conclusions formed and action taken. This information must be made available to the administering authority on request.
G5	In consultation with the administering authority, cooperate with and participate in any community environmental liaison committee established in respect of either the site specifically, or the industrial estate where the site is located.

Agency interest: Air	
Condition number	Condition
A1	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 odour sensitive place.
A2	The release of dust and/or particulate matter resulting from the activity must not cause an environmental nuisance at any dust sensitive place.
A3	Exceedance of any of the following levels when measured at any dust sensitive place is an environmental nuisance for the purposes of condition A2. a) Dust deposition of 120 milligrams per square metre per day, when monitored in accordance with Australian Standard AS 3580.10 of 1991; or b) A concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (pm) (PM10) suspended in the atmosphere of 150 micrograms per cubic metre over a 24 hour averaging time, at a dust sensitive place downwind of the site, when monitored in accordance with: - Australian Standard AS 3580.9.6 'Ambient air - Particulate matter - Determination of suspended particulate PM10 high-volume sampler with size-selective inlet - Gravimetric method'; or - any alternative method of monitoring PM10 which may be permitted by the 'Air Quality Sampling Manual' as published from time to time by the administering authority.
A4	When requested by the Administering Authority, dust and particulate monitoring must be undertaken to investigate any complaint of environmental nuisance caused by dust and/or particulate matter, and the results notified within 14 days to the administering authority following completion of monitoring. Monitoring must be carried out at a place(s) relevant to the potentially affected dust sensitive place and at upwind control sites and must include: a) for a complaint alleging dust nuisance, dust deposition; and b) for a complaint alleging adverse health effects caused by dust, the concentration per cubic metre of particulate matter with an aerodynamic diameter of less than 10 micrometre (pm) (PM10) suspended in the atmosphere over a 24hr averaging time.
Agency interest: Water	
Condition number	Condition
W1	Prevent the release of sediment to waters or a build-up of sediment in any stormwater drain.
W2	Contaminants must not be released from the site to any waters or the bed and banks of any waters.

W3	There must be no release of stormwater runoff that has been in contact with any contaminants at the site to any waters, roadside gutter or stormwater drain.																																																														
Agency interest: Noise																																																															
Condition number	Condition																																																														
N1	Noise from activities must not cause an environmental nuisance at any noise affected premises.																																																														
N2	All noise from activities must not exceed the levels specified in <i>Table 1 – Noise Limits</i> at any noise affected premises. Table 1 – Noise limits <table><tr><td>Noise Level dB(A) measured as</td><td colspan="3">Monday to Saturday</td><td colspan="3">Sundays and public holidays</td></tr><tr><td></td><td>7am–6pm</td><td>6pm–10pm</td><td>10pm–7am</td><td>9am–6pm</td><td>6pm–10pm</td><td>10pm–9am</td></tr><tr><td></td><td colspan="6">Noise measured at a 'noise sensitive place'</td></tr><tr><td>L_{A10}, adj, 10 mins</td><td>45</td><td>40</td><td>30</td><td>45</td><td>40</td><td>30</td></tr><tr><td>L_{A1}, adj, 10 mins</td><td>50</td><td>45</td><td>35</td><td>50</td><td>45</td><td>35</td></tr><tr><td></td><td colspan="6">Noise measured at a 'commercial place'</td></tr><tr><td>L_{A10}, adj, 10 mins</td><td>50</td><td>45</td><td>35</td><td>50</td><td>45</td><td>35</td></tr><tr><td>L_{A1}, adj, 10 mins</td><td>55</td><td>50</td><td>40</td><td>55</td><td>50</td><td>40</td></tr></table>							Noise Level dB(A) measured as	Monday to Saturday			Sundays and public holidays				7am–6pm	6pm–10pm	10pm–7am	9am–6pm	6pm–10pm	10pm–9am		Noise measured at a 'noise sensitive place'						L _{A10} , adj, 10 mins	45	40	30	45	40	30	L _{A1} , adj, 10 mins	50	45	35	50	45	35		Noise measured at a 'commercial place'						L _{A10} , adj, 10 mins	50	45	35	50	45	35	L _{A1} , adj, 10 mins	55	50	40	55	50	40
Noise Level dB(A) measured as	Monday to Saturday			Sundays and public holidays																																																											
	7am–6pm	6pm–10pm	10pm–7am	9am–6pm	6pm–10pm	10pm–9am																																																									
	Noise measured at a 'noise sensitive place'																																																														
L _{A10} , adj, 10 mins	45	40	30	45	40	30																																																									
L _{A1} , adj, 10 mins	50	45	35	50	45	35																																																									
	Noise measured at a 'commercial place'																																																														
L _{A10} , adj, 10 mins	50	45	35	50	45	35																																																									
L _{A1} , adj, 10 mins	55	50	40	55	50	40																																																									
N3	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: a) L _{A10} , adj, 10 mins; b) L _{A1} , adj, 10 mins; c) the level and frequency of occurrence of impulsive or tonal noise; d) atmospheric conditions including wind speed and direction; and e) effects due to extraneous factors such as traffic noise; and location, date and time of recording.																																																														
N4	The method of measurement and reporting of noise levels must comply with the latest edition of the administering authority's Noise Measurement Manual.																																																														

Agency interest: Land	
Condition number	Condition
L1	The authorised place must be rehabilitated (including all disturbed areas such as slopes, borrow pits, stockpile and screening areas) 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, 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 bodies meets 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, submerged, or treated so as to not be likely to cause environmental harm.
L2	Rehabilitation of disturbed areas must take place progressively as works are staged and new areas of extraction are commenced.
L3	Contaminants must not be released to land.
L4	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: Waste	
Condition number	Condition
WS1	All regulated waste removed from the site must be removed by a person who holds a current approval to transport such waste under the provisions of the <i>Environmental Protection Act 1994</i> .



Part 3 – conditions relevant to Gregory River – Lot 3 Plan SP194668

Environmentally relevant activity(ies)	Location(s)
16-(1a) Dredging >1000t but <10,000t yr 16-(3a) Screening >5000t but <100,000t yr	Gregory River – Lot 3 Plan SP194668

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

Agency interest: General	
Condition number	Condition
G1	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.
G2	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.
G3	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; and

	k) Periodic review of environmental performance and continual improvement.
G4	The site based management plan must not be implemented or amended in a way that contravenes any condition of this approval.
G5	Record, compile and keep all monitoring results required by this approval and present this information to the administering authority when requested.
G6	All records required by this approval must be kept for 5 years.
G7	Telephone the administering authority'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.
G8	A written notice detailing the following information must be provided to the administering authority within 14 days of any advice provided in accordance with condition G7. a) the name of the operator, including their approval / registration number; b) the name and telephone number of a designated contact person; c) quantity and substance released; d) vehicle and registration details; e) person/s involved (driver and any others); f) the location and time of the release; g) the suspected cause of the release; h) a description of the effects of the release; i) the results of any sampling performed in relation to the release; j) actions taken to mitigate any environmental harm caused by the release; and k) proposed actions to prevent a recurrence of the release.
G9	An appropriate spill kit, personal protective equipment and relevant operator instructions / emergency procedure guides for the management of wastes and chemicals associated with the ERA must be kept at the site, and in each vehicle used if the activity is a mobile ERA.
G10	Anyone operating under this approval must be trained in the use of the spill kit.
G11	The latest edition of the administering authority's INSTRUCTIONS FOR THE TREATMENT AND MANAGEMENT OF ACID SULFATE SOILS, 2001, ('the Instructions') must be complied with when treating and managing acid sulfate soils.
G12	Acid sulfate soils must be managed such that contaminants are not directly or indirectly released to any waters.
G13	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: Air	
Condition number	Condition
A1	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.
A2	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: Water	
Condition number	Condition
W1	Erosion protection measures and sediment control measures must be implemented and maintained to minimise erosion and the release of sediment.
W2	Water velocities through temporary watercourse diversions around the works area must be maintained similar to pre-work velocities during such diversions, and must be re-instated once dredging works are completed.
W3	Contaminants must not be released from the site to any waters or the bed and banks of any waters.
W4	There must be no release of stormwater runoff that has been in contact with any contaminants at the site to any waters, roadside gutter or stormwater drain.
W5	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.
Agency interest: Noise	
Condition number	Condition
N1	Noise from the ERA must not cause an environmental nuisance at any nuisance sensitive place or commercial place.

N2	The method of measurement and reporting of noise levels must comply with the latest edition of the administering authority's Noise Measurement Manual
Agency interest: Land	
Condition number	Condition
L1	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.
L2	Rehabilitation of disturbed areas must take place progressively as works are staged and new areas of extraction are commenced.
L3	Contaminants must not be released to land.
L4	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 storages must be designed, constructed and maintained in accordance with AS 1940 - Storage and Handling of Flammable and Combustible Liquids.
Agency interest: Waste	
Condition number	Condition
WS1	A record of all regulated waste (excluding trackable waste) must be kept detailing the following information: a) date of pickup of waste; b) description of waste; c) quantity of waste;

d) origin of the waste; and

e) destination of the waste.

Note: Trackable wastes have similar recording requirements to this condition. Therefore, records of documents maintained in compliance with a waste tracking system established under the above Regulation or any other law for recording details for the transport of regulated waste satisfy this condition



Part 4 – conditions relevant to Sandy Creek - Lot 2 Plan CP907594

Environmentally relevant activity(ies)	Location(s)
16-(1a) Dredging >1000t but <10,000t yr	Sandy Creek - Lot 2 Plan CP907594

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

Agency interest: General	
Condition number	Condition
G1	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.
G2	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.
G3	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; and k) Periodic review of environmental performance and continual improvement.

G4	The site based management plan must not be implemented or amended in a way that contravenes any condition of this approval.
G5	Record, compile and keep all monitoring results required by this approval and present this information to the administering authority when requested.
G6	All records required by this approval must be kept for 5 years.
G7	Telephone the administering authority'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.
G8	A written notice detailing the following information must be provided to the administering authority within 14 days of any advice provided in accordance with condition G7. a) the name of the operator, including their approval / registration number; b) the name and telephone number of a designated contact person; c) quantity and substance released; d) vehicle and registration details; e) person/s involved (driver and any others); f) the location and time of the release; g) the suspected cause of the release; h) a description of the effects of the release; i) the results of any sampling performed in relation to the release, j) actions taken to mitigate any environmental harm caused by the release; and k) proposed actions to prevent a recurrence of the release.
G9	An appropriate spill kit, personal protective equipment and relevant operator instructions/emergency procedure guides for the management of wastes and chemicals associated with the ERA must be kept at the site, and in each vehicle used if the activity is a mobile ERA.
G10	Anyone operating under this approval must be trained in the use of the spill kit.
G11	The latest edition of the administering authority's INSTRUCTIONS FOR THE TREATMENT AND MANAGEMENT OF ACID SULFATE SOILS, 2001, ('the Instructions') must be complied with when treating and managing acid sulfate soils.
G12	Acid sulfate soils must be managed such that contaminants are not directly or indirectly released to any waters.
G13	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: Air	
Condition number	Condition
A1	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.
A2	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: Water	
Condition number	Condition
W1	Erosion protection measures and sediment control measures must be implemented and maintained to minimise erosion and the release of sediment.
W2	Water velocities through temporary watercourse diversions around the works area must be maintained similar to pre-work velocities during such diversions, and must be re-instated once dredging works are completed.
W3	Contaminants must not be released from the site to any waters or the bed and banks of any waters.
W4	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.
W5	There must be no release of stormwater runoff that has been in contact with any contaminants at the site to any waters, roadside gutter or stormwater drain.
Agency interest: Noise	
Condition number	Condition
N1	Noise from the ERA must not cause an environmental nuisance at any nuisance sensitive place or commercial place.
N2	The method of measurement and reporting of noise levels must comply with the latest edition of the administering authority's Noise Measurement Manual.

Agency interest: Land	
Condition number	Condition
L1	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.
L2	Rehabilitation of disturbed areas must take place progressively as works are staged and new areas of extraction are commenced.
L3	Contaminants must not be released to land.
L4	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 storages must be designed, constructed and maintained in accordance with AS 1940 - Storage and Handling of Flammable and Combustible Liquids.
Agency interest: Waste	
Condition number	Condition
WS1	A record of all regulated waste (excluding trackable waste) must be kept detailing the following information: a) date of pickup of waste; b) description of waste; c) quantity of waste; d) origin of the waste; and e) destination of the waste.

	Note: Trackable wastes have similar recording requirements to this condition. Therefore, records of documents maintained in compliance with a waste tracking system established under the above Regulation or any other law for recording details for the transport of regulated waste satisfy this condition.
--	---

Part 5 – conditions relevant to Yeldham Quarry - Lot 2 Plan CP907594

Environmentally relevant activity(ies)	Location(s)
16-(2a) Extractive >5000t but <100,000t yr 16-(3a) Screening >5000t but <100,000t yr	Yeldham Quarry - Lot 2 Plan CP907594

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

Agency interest: General	
Condition number	Condition
G1	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.
G2	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.
G3	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; and

	k) Periodic review of environmental performance and continual improvement.
G4	The site based management plan must not be implemented or amended in a way that contravenes any condition of this approval.
G5	Telephone the administering authority'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.
G6	An appropriate spill kit, personal protective equipment and relevant operator instructions/emergency procedure guides for the management of wastes and chemicals associated with the ERA must be kept at the site, and in each vehicle used if the activity is a mobile ERA.
G7	Anyone operating under this approval must be trained in the use of the spill kit.
G8	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: Air	
Condition number	Condition
A1	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.
A2	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: Water	
Condition number	Condition
W1	Erosion protection measures and sediment control measures must be implemented and maintained to minimise erosion and the release of sediment.
W2	The size of any sedimentation dam must be sufficient to contain the runoff expected from a 24 hour storm with an average recurrence interval of 1 in 5 years.

W3	Contaminants must not be released from the site to any waters or the bed and banks of any waters.
W4	There must be no release of stormwater runoff that has been in contact with any contaminants at the site to any waters, roadside gutter or stormwater drain.
Agency interest: Noise	
Condition number	Condition
N1	Noise from the ERA must not cause an environmental nuisance at any nuisance sensitive place or commercial place.
Agency interest: Land	
Condition number	Condition
L1	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.
L2	Rehabilitation of disturbed areas must take place progressively as works are staged and new areas of extraction are commenced.
L3	Contaminants must not be released to land.
L4	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 storages must be designed, constructed and maintained in accordance with AS 1940 - Storage and Handling of Flammable and Combustible Liquids.



Part 6 – conditions relevant to Brumby Quarry - Lot 2 Plan CP907594

Environmentally relevant activity(ies)	Location(s)
16-(2a) Extractive >5000t but <100,000t yr 16-(3a) Screening >5000t but <100,000t yr	Brumby Quarry - Lot 2 Plan CP907594

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

Agency interest: General	
Condition number	Condition
G1	The only areas permitted to be excavated under this approval are those shown on the site plan in Attachment 2 and described as the area within: a) Peg 1 54 K 289298 7937034; b) Peg 2 54 K 290146 7937080; c) Peg 3 54 K 289409 7936387; d) Peg 4 54 K 290240 7936604.
G2	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.
G3	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.
G4	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; and k) Periodic review of environmental performance and continual improvement.
G5	The site based management plan must not be implemented or amended in a way that contravenes any condition of this approval.
G6	Record, compile and keep all monitoring results required by this approval and present this information to the administering authority when requested.
G7	All records required by this approval must be kept for 5 years.
G8	Telephone the administering authority'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.
G9	A written notice detailing the following information must be provided to the administering authority within 14 days of any advice provided in accordance with condition G8. a) the name of the operator, including their approval / registration number; b) the name and telephone number of a designated contact person; c) quantity and substance released; d) vehicle and registration details; e) person/s involved (driver and any others); f) the location and time of the release; g) the suspected cause of the release; h) a description of the effects of the release; i) the results of any sampling performed in relation to the release, j) actions taken to mitigate any environmental harm caused by the release; and k) proposed actions to prevent a recurrence of the release.
G9	An appropriate spill kit, personal protective equipment and relevant operator instructions/emergency procedure guides for the management of wastes and chemicals associated with the ERA must be kept at the site, and in each vehicle used if the activity is a mobile ERA.
G10	Anyone operating under this approval must be trained in the use of the spill kit.
G11	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: Air	
Condition number	Condition
A1	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.
A2	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: Water	
Condition number	Condition
W1	Erosion protection measures and sediment control measures must be implemented and maintained to minimise erosion and the release of sediment.
W2	The size of any sedimentation dam must be sufficient to contain the runoff expected from a 24 hour storm with an average recurrence interval of 1 in 5 years.
W3	Contaminants must not be released from the site to any waters or the bed and banks of any waters.
W4	There must be no release of stormwater runoff that has been in contact with any contaminants at the site to any waters, roadside gutter or stormwater drain.
Agency interest: Noise	
Condition number	Condition
N1	Noise from the ERA must not cause an environmental nuisance at any nuisance sensitive place or commercial place.
N2	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:

	a) L_{A10}, adj, 10 mins; b) L_{A1}, adj, 10 mins; c) the level and frequency of occurrence of impulsive or tonal noise; d) atmospheric conditions including wind speed and direction; e) effects due to extraneous factors such as traffic noise; and f) location, date and time of recording.
N3	The method of measurement and reporting of noise levels must comply with the latest edition of the administering authority's Noise Measurement Manual.
N4	Vibration emitted from the ERA must not cause an environmental nuisance at any nuisance sensitive place or commercial place.
Agency interest: Land	
Condition number	Condition
L1	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.
L2	Rehabilitation of disturbed areas must take place progressively as works are staged and new areas of extraction are commenced.
L3	Contaminants must not be released to land.
L4	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 storages must be designed, constructed and maintained in accordance with AS 1940 - Storage and Handling of Flammable and Combustible Liquids.

Part 7 – conditions relevant to Separation Quarry - Gregory River - Lot 3 Plan SP194668

Environmentally relevant activity(ies)	Location(s)
16-(1a) Dredging >1000t but <10,000t yr	Separation Quarry - Gregory River - Lot 3 Plan SP194668

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

Agency interest: General	
Condition number	Condition
G1	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.
G2	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.
G3	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; and k) Periodic review of environmental performance and continual improvement.

G4	The site based management plan must not be implemented or amended in a way that contravenes any condition of this approval.
G5	Telephone the administering authority'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.
G6	An appropriate spill kit, personal protective equipment and relevant operator instructions/emergency procedure guides for the management of wastes and chemicals associated with the ERA must be kept at the site, and in each vehicle used if the activity is a mobile ERA.
G7	Anyone operating under this approval must be trained in the use of the spill kit.
G8	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: Air	
Condition number	Condition
A1	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.
A2	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: Water	
Condition number	Condition
W1	Erosion protection measures and sediment control measures must be implemented and maintained to minimise erosion and the release of sediment.
W2	Water velocities through temporary watercourse diversions around the works area must be maintained similar to pre-work velocities during such diversions, and must be re-instated once dredging works are completed.

W3	Contaminants must not be released from the site to any waters or the bed and banks of any waters.
W4	There must be no release of stormwater runoff that has been in contact with any contaminants at the site to any waters, roadside gutter or stormwater drain.
Agency interest: Noise	
Condition number	Condition
N1	Noise from the ERA must not cause an environmental nuisance at any nuisance sensitive place or commercial place.
Agency interest: Land	
Condition number	Condition
L1	Contaminants must not be released to land.
L2	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 storages must be designed, constructed and maintained in accordance with AS 1940 - Storage and Handling of Flammable and Combustible Liquids.

Definitions

Key terms and/or phrases used in 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 Environmental Protection Agency or its successor.

"annual return" means the return required by the annual notice (under section 316 of the *Environment Protection Act 1994*) for the section 73F registration certificate that applies to the development approval.

"approval" means 'notice of development application decision' or 'notice of concurrence agency response' under the *Integrated Planning Act 1997*.

"approved plans" means the plans and documents listed in the approved plans section in the notice attached to this development approval.

"artificial waterway" means an artificial channel, lake or other body of water. Artificial waterway includes —

- an artificial channel that is formed because the land has been reclaimed from tidal water and is
- intended to allow boating access to allotments on subdivided land;
- other artificial channels subject to the ebb and flow of the tide; and
- any additions or alterations to an artificial waterway.

"authorised place" means the place authorised under this development approval for the carrying out of the specified environmentally relevant activities.

"canal" means an artificial waterway surrendered to the State. A canal is an artificial waterway connected, or intended to be connected, to tidal water; and from which boating access to the tidal water is not hindered by a lock, weir or similar structure.

"clinical waste" means waste that has the potential to cause disease including, for example, the following:

- animal waste;
- discarded sharps;
- human tissue waste;
- laboratory waste.

"coastal dune" means a ridge or hillock of sand or other material on the coast and built up by the wind.

"commercial place" means a place used as an office or for business or commercial purposes.

"dredge spoil" means material taken from the bed or banks of waters by using dredging equipment or other equipment designed for use in extraction of earthen material.

"dust sensitive place" means:

- a dwelling, mobile home or caravan park, residential marina or other residential place; - a motel, hotel or hostel;
- a kindergarten, school, university or other educational institution;
- a medical centre or hospital;
- a protected area;
- a park or gardens; or
- a place used as an office or for business or commercial purposes.
- and includes the curtilage of any such place.

"dwelling" means any of the following structures or vehicles that is principally used as a residence:

- a house, unit, motel, nursing home or other building or part of a building;

- a caravan, mobile home or other vehicle or structure on land; or
- a water craft in a marina.

"erosion prone area" means an area declared to be an erosion prone area under section 70(1) of the *Coastal Protection and Management Act 1995*.

"equivalent passenger tyre unit (EPU)" means a unit which allows for the following conversions:

- passenger tyre 1 EPU (9.5kg);
- light and medium commercials 2 EPU (19kg);
- truck and bus tyres 5 EPU (47.5kg);
- earthmoving and agricultural 50 EPU (475kg); and
- large earthmoving 100 EPU (950)kg.

"geotechnical stability of the landfill unit" means a situation where instability related to the excessive settlement and subsidence caused by decomposition and consolidation of the wastes deposited in the landfill unit, and sliding instability of the unit slope has ceased.

"high water mark" means the ordinary high water mark at spring tides.

"ignitable, corrosive, reactive or toxic materials" are materials as defined in the Queensland Government Environmental Protection Agency 'Technical guideline on landfill siting, design, operation and rehabilitation', 2003.

"infectious waste" means waste containing viable micro-organisms or their toxins which are known or suspected to cause disease in animals or humans.

"intrusive noise" means noise that, because of its frequency, duration, level, tonal characteristics, impulsiveness or vibration —

- is clearly audible to, or can be felt by, an individual; and
- annoys the individual.

In determining whether a noise annoys an individual and is unreasonably intrusive, regard must be given to Australian Standard 1055.2 — 1997 Acoustics — Description and Measurement of Environmental Noise Part 2 — Application to Specific Situations.

" $L_{A\ 10, \text{adj}, 10 \text{ mins}}$ " means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 10% of any 10 minute measurement period, using Fast response.

" $L_{A\ 1, \text{adj}, 10 \text{ mins}}$ " means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 1% of any 10 minute measurement period, using Fast response.

" $L_{A, \text{max adj}, T}$ " means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over any 10 minute period, using Fast response.

"land" in the "land schedule" of this document means land excluding waters and the atmosphere.

"landfill facility" means all contiguous land and structures, other appurtenances, and improvements on the land used or associated with the disposal of waste.

"landfill unit" means a discrete area of land or an excavation that receives solid waste.

"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 licensed place which contains soluble, suspended or miscible contaminants likely to have been derived from the said material.

"liquid or semi-liquid waste" means a waste which failed the paint filter liquid test described in the document SW-846 'Test Methods for Evaluation of Solid Wastes Physical/Chemical Methods' published by the United States Environmental Protection Agency, Revision 5, April 1998 or updated version thereof.

"lower explosive limit" means the lowest percent by volume of a mixture of explosive gases in air that will propagate a flame at 25°C and atmospheric pressure.

"mg/L" means milligrams per litre.

"noxious" means harmful or injurious to health or physical well being.

"noise affected premises" means a "noise sensitive place" or a "commercial place".

"noise sensitive place" means:

- a dwelling, mobile home or caravan park, residential marina or other residential premises; or
- a motel, hotel or hostel; or
- a kindergarten, school, university or other educational institution; or
- a medical centre or hospital; or
- a protected area; or
- a park or gardens.

and includes the curtilage of such place.

"nuisance sensitive place" includes —

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

- a motel, hotel or hostel; or
- a kindergarten, school, university or other educational institution; or
- a medical centre or hospital; or
- a protected area under the Nature Conservation Act 1992, the Marine Parks Act 1992 or a World Heritage Area; or
- a public thoroughfare, park or gardens; or
- 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;

and includes a place within the curtilage of such a place reasonably used by persons at that place.

"NTU" means nephelometric turbidity units.

"offensive" means causing offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive.

"ponded pasture" means a permanent or periodic pondage of water in which the dominant plant species are pasture species used for grazing or harvesting.

"odour sensitive place" has the same meaning as a "dust sensitive place".

"protected area" means —

- a protected area under the Nature Conservation Act 1992; or
- a marine park under the Marine Parks Act 1992; or
- a World Heritage Area.

"quarry material" means material on State coastal land, other than a mineral within the meaning of any Act relating to mining. Material includes for example stone, gravel, sand, rock, clay, mud, silt and soil, unless it is removed from a culvert, stormwater drain or other drainage infrastructure as waste material.

"regulated waste" means non-domestic waste mentioned in Schedule 7 of the *Environmental Protection Regulation 1998* (whether or not it has been treated or immobilised), and includes

- for an element - any chemical compound containing the element; and

- anything that has contained the waste.

"site" means the place to which this development approval relates or the premises to which this development approval relates.

"statistically significant" means when the difference between groups of data is sufficient for a statistical test to reject the *null hypothesis*. For example, a requirement for a statistical test is that you have a minimum of two hypotheses, the null hypothesis and one or more alternative hypotheses. If you have data from two groups of bores (say A = background values and B = values at locations hydraulically down gradient of the landfill unit), and you wish to test whether A is different from B, the *null hypothesis* would be that A and B are from the same population (no significant difference). After performing the statistical test, you will either accept or reject the null hypothesis.

"special burial of waste" means a disposal method where earth moving equipment pushes the wastes to the bottom of the working face or into an excavated hole, and immediately covers it with earth or other waste material.

"tidal water" means the sea and any part of a harbour or watercourse ordinarily within the ebb and flow of the tide at spring tides.

"this authority" means this environmental authority.

"uppermost aquifer" means the geologic formation nearest to the natural ground surface that is an aquifer. The term includes any aquifers that are likely to be hydraulically interconnected with this aquifer within the landfill facility property boundary.

"watercourse" means a river, creek or stream in which water flows permanently or intermittently-

- in a natural channel, whether artificially improved or not; or
- in an artificial channel that has changed the course of the watercourse.

"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.

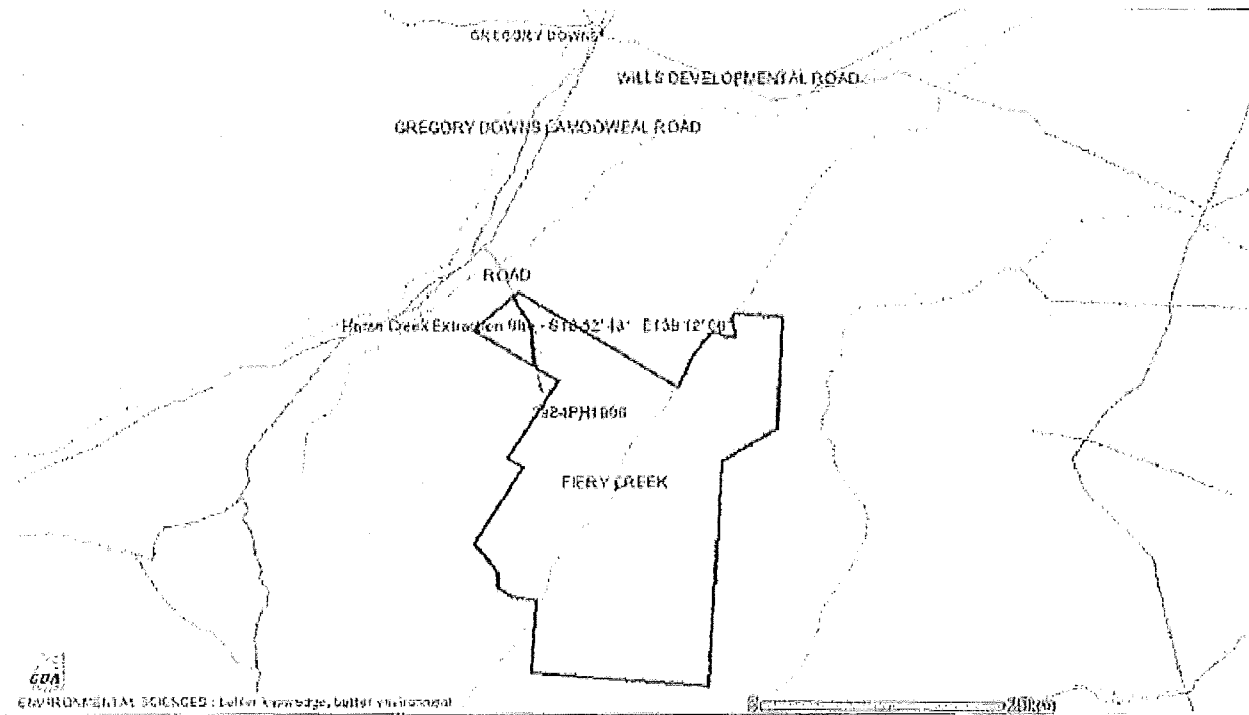
"50th percentile" means not more than three (3) of the measured values of the quality characteristic are to exceed the stated release limit for any six (6) consecutive samples for a release/monitoring point at any time during the environmental activity(ies) works.

"80th percentile" means not more than one (1) of the measured values of the quality characteristic is to exceed the stated release limit for any five (5) consecutive samples for a sampling point at any time during the environmental activity(ies) works.

"you" means the holder of this Environmental Authority or owner / occupier of the land which is the subject of this Development Approval.

END OF PERMIT

Attachment 1: Mellish Park Station extraction area



Attachment 2: Brumby Quarry extraction area

