

ORIGINAL EA CONDITIONS		NEW EA CONDITIONS
Financial Assurance		Schedule A – General - Financial assurance
(A1)	Provide financial assurance in the amount and form required by the administering authority prior to the commencement of the mining activity proposed under this environmental authority .	Original condition (A1) deleted - replaced with Model Conditions G11 and G12 . G11 and G12 ensure the same requirements with regards to financial assurance as the original condition.
(A2)	The financial assurance is to remain in force until the administering authority is satisfied that no claim on the assurance is likely	Original condition (A2) deleted. This is a requirement of Section 292 of the Environmental Protection Act 1994 (EP Act)
Maintenance of Measures, Plant and Equipment		Schedule A – General
(A3)	The holder must: (a) Take all control measures and install plant and equipment necessary to ensure compliance with the conditions of this environmental authority ; and (b) Maintain such control measures , plant and equipment in a proper condition; and (c) Operate such control measures , plant and equipment in a proper manner.	Original condition (A3) deleted - replaced with Model Condition G4 . G4 provides for the same level of environmental protection.
		Schedule A - Notification of emergencies, incidents and exceptions
	NA in SAL EA CONDITIONS	Model Condition G14 added. Model condition G14 provides for an additional layer of reporting/notification to ensure any events that have the potential for an off-site impact are communicated to the Department of Environment and Heritage Protection (EHP) in a timely manner
	NA in SAL EA CONDITIONS	Model Condition G15 added. Model condition G14 provides for an additional layer of reporting/notification to ensure any events that have the potential for an off-site impact are communicated to EHP in a timely manner
Storage and Handling of Flammable and Combustible Liquids		
(A4)	Storage of all flammable and combustible liquids must be within an on-site containment system and controlled in a manner that prevents environmental harm (other than trivial harm) and maintained in accordance with Section 5.8 Bunds and Compounds of <i>Australian Standard AS1940:2004</i> The storage and handling of flammable and combustible liquids or more recent editions or amendments to this document as such become available.	Original condition (A4) deleted – replaced with Model Condition G4 – model condition G4 requires the operator to install all “control measures” necessary to achieve compliance with the conditions of the environmental authority. “control measures” is defined in the definitions and includes bunding
Mining Operations		General
(A5)	The holder of this environmental authority must not cause any environmental impact(s) which amounts to environmental harm beyond the boundary of the authorised tenement(s) .	Original condition (A5) deleted – replaced with Model Condition G1 . G1 ensures that no unauthorised environmental harm is to occur beyond the boundary of the authorised tenement which is defined both in the definitions of the environmental authority and by the EA itself which authorises an activity at a location (first page of the EA).
(A6)	Within the boundary of the authorised mining tenement(s) , the holder of this environmental authority must not cause environmental harm beyond those areas nominated for mining activity in the planning document .	Original condition (A6) deleted – replaced with Model Condition G2 . G2 refers to Map (SP-925A) which outlines the exact area where disturbance of land may occur, must not occur and may occur only in accordance with condition G5.
(A7)	Notwithstanding condition (A6), mining operations on the authorised mining tenement(s) must not be conducted within a category A or B environmentally sensitive area .	Original condition (A7) amended – now Condition G3 . G3 rewords the original condition to ML1109 only, due to the fact that EHP’s mapping showed two areas of Category B environmentally sensitive areas (RAMSAR) toward the southern end of ML1109.
(A8)	Mining operations can only be conducted on a mine site if: (a) An ESR (in accordance with condition (A12)) has been completed for that mine site ; (b) A planning document has been prepared which includes that mine site and which complies with the statutory requirements and incorporates the matters set out in condition (A16)); and (c) An appropriately qualified third party has undertaken an audit and certified in writing that the ESR and the baseline environmental studies have been prepared: (i) By a suitably qualified person with at least five (5) years' experience in the relevant area; (ii) In a manner that is consistent with the requirements of conditions (A10), (A11) and (A12); and (iii) By having regard to, and appropriately applying, the relevant guidelines (being those applicable on a national, state or a regional basis), which the third part auditor considers should be applied in undertaking the ESR or the baseline environmental studies including the relevant EA, ANZECC and EPA guidelines where published.	Original condition (A8) deleted – replaced with Condition G5 . G5 ensures that a management plan be prepared and approved by EHP before any land disturbance can occur in the area not previously covered by the 2003 Environmental Studies Report (ESR).
(A9)	For the purposes of this environmental authority it is deemed that: (a) The study known as the <i>Yarraman Project Environmental Studies Report- 1998</i> is the completed ESR for the	Original Condition (A9) deleted. (A9) was deleted due to the fact that it was not regarded as a condition

ORIGINAL EA CONDITIONS		NEW EA CONDITIONS
	<p>mine site known as the Yarraman Mine; and</p> <p>(b) The study known as the <i>Enterprise Mine Environmental Studies Report- November 2003</i> is the completed ESR for the mine site known as Enterprise Mine; and</p> <p>(c) Condition (A8(c)) does not apply to the Yarraman Mine.</p>	
Baseline Environmental Studies and Environmental Studies Report (ESR)		
(A10)	<p>Baseline environmental studies must be conducted in areas where mining activity may occur and where those operations could have an impact on or harm the environmental value(s) of the area the subject of the authorised mining tenement(s) and the environmental value(s) of the zone of impact.</p> <p>The purpose of the baseline environmental studies and the ESR is to survey the constituents of the environment and determine the expected impact(s) and /or harm from the proposed mining activity, so that control measures can be identified to protect the environmental value(s).</p>	Original condition (A10) deleted – replaced with Condition G5 . G5 ensures that a management plan be prepared and approved by EHP before any land disturbance can occur in the area not previously covered by the 2003 ESR.
(A11)	<p>The following conditions set out the process that must be followed for carrying out the baseline environmental studies:</p> <p>(a) A terms of reference must be prepared prior to commencing the baseline environmental studies. The terms of reference must address the matters that are to be studied as part of the baseline environmental studies.</p> <p>(b) Stakeholder(s) must be consulted about the draft terms of reference. The views of stakeholder(s) must be considered when finalising the terms of reference. For the purpose of this condition, the administering authority is a stakeholder(s).</p> <p>(c) Baseline environmental studies must satisfy the terms of the reference.</p>	Original condition (A11) deleted – replaced with Condition G5 . G5 ensures that a management plan be prepared and approved by EHP before any land disturbance can occur in the area not previously covered by the 2003 ESR.
(A12)	<p>An ESR must be submitted to the administering authority at least one (1) month prior to the commencement of mining operations excluding exploration activities where required in accordance with condition (A8).</p> <p>The report must:</p> <p>(d) Provide the results of the baseline environmental studies;</p> <p>(e) Identify the environmental value(s) and their location within the authorised mining tenement(s) and zone of impact;</p> <p>(f) Provide an assessment of the potential adverse and beneficial impacts of the mining activity on the environmental value(s);</p> <p>(g) By using the principles in the risk management system referred to in condition (A14) state control measures to protect the environmental value(s) and the key environmental values;</p> <p>(h) State trigger level(s) for indicators of potential impacts on the environmental value(s) and key environmental values- the trigger level(s) must be set to alert the holder of potential environmental harm prior to any unauthorised environmental harm occurring; and</p> <p>(i) Include details of the level and nature of stakeholders(s) consultation undertaken during the development of the baseline environmental studies and ESR including:</p> <p>(i) A summary of the concerns and interest raised by stakeholder(s)</p> <p>(ii) A summary of issues where agreement with stakeholder(s) could not be met; and</p> <p>(iii) Details of ongoing consultation arrangements to be adopted during the operational phase and any identified issues which require further stakeholder(s) involvement.</p>	Original condition (A12) deleted – replaced with Condition G5 . G5 ensures that a management plan be prepared and approved by EHP before any land disturbance can occur in the area not previously covered by the 2003 ESR.
(A13)	At least two (2) months prior to submission of the ESR required by condition (A12) a draft of the ESR , addressing the matters stated in conditions (A12f)) inclusive, must be submitted to the administering authority .	Original condition (A13) deleted – replaced with Condition G5 . G5 ensures that a management plan be prepared and approved by EHP before any land disturbance can occur in the area not previously covered by the 2003 ESR.
Environment Management System		Risk management

ORIGINAL EA CONDITIONS		NEW EA CONDITIONS
(A14)	<p>The holder must plan and conduct the mining activity according to:</p> <p>(a) A risk management system that substantially conforms with the <i>Australian/New Zealand Standard AS/NZS 4360:2004 Risk Management</i> or more recent editions or amendments to this document as such become available; and</p> <p>(b) An environmental management system that substantially conforms with the <i>Australia/New Zealand Standard AS/NZS ISO 14001:2004 Environmental management systems-Requirements with guidance for use</i> or more recent editions or amendments to this document as such become available.</p>	<p>Original conditions (A14) and (A15) deleted – replaced with Model Condition G13. Risk Management Standard, AS/NZS 4360:2004 has been superseded by AS/NZS ISO 31000:2009, Risk management - Principles and guidelines. Model condition G13 was developed to ensure an appropriate risk management system was developed in line with current international standards.</p>
(A15)	<p>All elements of the environmental management system and risk management system and the implementation of the systems must be documented. As a minimum standard the documentation must include;</p> <p>(a) Identification and progressive assessment of the environmental aspect(s) and environmental impact(s) and key risk scenarios;</p> <p>(b) The register(s) of environmental aspect(s), environmental impact(s) and risk;</p> <p>(c) The risk evaluation; and</p> <p>(d) Actions taken to treat the acceptable risks</p>	
Planning Document		
(A16)	<p>The following details must be included in a planning document, in addition to any statutory requirements of such a document;</p> <p>(a) Areas where the mining activity will occur;</p> <p>(b) Locations of control measures (where applicable);</p> <p>(c) Detail from the ESR (other than for the mine site referred to in condition (A9) or those on which mining operations are not occurring) of all baseline environmental studies locations and the environmental value(s) to be protected;</p> <p>(d) If any environmental value(s) have a specific location, specify the location of the environmental value(s); and</p> <p>(e) The control measures referred to in the ESR (other than for the mine site referred to in condition (A9) or those on which mining operations are not occurring);</p> <p>(f) The annual rehabilitation to be undertaken and the resulting open area at each mine site;</p> <p>(g) The risk assessment undertaken of the open area at each mine site to prevent or minimise environmental harm;</p> <p>(h) For the purposes of the landform criteria in conditions (H6) to (H12) inclusive, details of: (given the history this may have to stay)</p> <p>(i) Mining block locations;</p> <p>(ii) The volume difference index(VDI) for each mining block;</p> <p>(iii) The mining block subject to criteria in condition (H9(b));</p> <p>(iv) Pre-mining activity and post- mining activity topography at 1:10,000 scale; and</p> <p>(v) Pre-mining activity and post-mining activity aspect element(s) for condition (H9(b)) and terrain element(s) for condition (H9(c)); and</p> <p>(vi) Pre-mining activity and post-mining activity contours.</p>	<p>Original condition (A16) deleted. This is a requirement of Section 288 of the EP Act</p>
(A17)	<p>The planning document for the mining activity must contain justification and topographical maps of the same scale illustrating landform both pre-mining activity and post-mining activity that are each a size that provides sufficient detail and is easily readable (i.e. at least A3)</p>	<p>Original condition (A17) deleted. The details of what is required in a Plan of Operations are outlined in section 288 of the EP Act</p>
(A18)	<p>The planning document for the mining activity must contain maps that are each of a size that provides sufficient detail and is easily readable (i.e. at least A3), illustrating the mining operation area(s) and the revegetation criteria in Schedule H- Table 2, Schedule H- Table 3 and Schedule H- Table 5 that is to be achieved for that land.</p>	<p>Original condition (A18) deleted. The details of what is required in a Plan of Operations are outlined in section 288 of the EP Act.</p>
Monitoring		Schedule A – General – Monitoring
(A19)	<p>A monitoring program must be conducted within the zone of impact to monitor any potential environmental harm.</p>	<p>Model Condition G6 added.</p>

ORIGINAL EA CONDITIONS		NEW EA CONDITIONS
(A20)	A written monitoring plan that describes the monitoring program must be prepared and maintained. The written monitoring plan must include as a minimum: (a) Locations for monitoring/sampling; (b) Parameters monitored; (c) Frequency of monitoring/sampling; and (d) Trigger level(s) for each location.	Original condition (A19) kept now Condition G7 . Original condition considered to be an appropriate site specific condition Original condition (A20) kept now Condition G8 . Original condition considered to be an appropriate site specific condition Original condition (A21) kept now Condition G9 . with the modification that the plan be submitted by 31 May each year. Original condition (A22) kept now Condition G10 . Original condition considered to be an appropriate site specific condition Original condition (A23) deleted as Model Condition G6 was included. G6 ensures that the requirement is the same as the original condition. Original condition (A24) deleted, Model Condition G4 requires the operator to install, maintain and operate all equipment, plant and measures in a proper and efficient manner to ensure compliance with the conditions of the EA. An example of what EHP would consider the installation and operation of equipment to ensure compliance with a noise condition would be noise monitoring conducted in accordance with EHP's Noise Measurement Manual
(A21)	The written monitoring plan must be submitted to the administering authority by 28 February, 31 May, 31 August and 30 November each year.	
(A22)	The monitoring plan must include a process for dealing with the exceedance of the trigger level(s) including the following steps: (a) Evaluation of the risk associated with the exceedance in accordance with the risk treatment process; (b) Implementation of the actions arising from the risk treatment process which may include measures to prevent unauthorised environmental harm ; and (c) An obligation to notify the administering authority of the exceedance as soon as practicable and to notify the outcome of the risk treatment process.	
(A23)	Record, compile and keep for a minimum of five (5) years all monitoring results required by this environmental authority and make available for inspection all or any of these records upon request by the administering authority	
(A24)	All the monitoring required under this environmental authority must be undertaken by, a registered or certified environmental professional possessing suitable qualifications and experience for the type of monitoring being undertaken, or an environmental professional possessing suitable qualifications and experience for the type of monitoring being undertaken.	
Third Party Environmental Audit		Schedule A – General - Third Party Reporting
(A25)	Compliance with the conditions of this environmental authority must be audited at a regular period not exceeding three (3) years	Original conditions (A25), (A26) and (A27) deleted – replaced with Model Conditions G18 and G19 . G18 and G19 cover the requirements of the original conditions.
(A26)	The audit(s) required by conditions (A25) and (A8©) must be conducted by a suitability qualified third party auditor, nominated by the environmental authority holder and accepted by the administering authority .	
(A27)	The auditor must submit a final version of the auditor's report to the administering authority within twenty-eight (28) days of completing the audit.	
(A28)	The total financial cost of the audit(s) will be the responsibility of the holder of this environmental authority .	Original condition (A28) deleted. The financial cost of employing a third party auditor is a cost borne by the operator.
Annual Environmental Report		
(A29)	An Annual Environmental Report (AER) that assess the environmental performance of the holder must be submitted to the administering authority at each annual return . The report must address: (a) Status of compliance with the conditions of the environmental authority ; (b) Monitoring results and their conformance with the trigger level(s) ; (c) Performance in relation to the objectives, targets and performance indicators stated in the environmental management system ; and (d) Details of environmental incidents and complaints.	Original condition (A29) kept now Condition G20 with the deletion of part (c) as there is no requirement for an environmental management system
Definitions		

ORIGINAL EA CONDITIONS		NEW EA CONDITIONS
(A30)	Words and phrases used through this environmental authority and defined in Schedule 1- Definitions. Where a definition for a term used un this environmental authority is sought and the tern is not defined within this environmental authority , the definition s in the <i>Environmental Protection Act 1994</i> , its Regulations and Environmental Protection Policies, as amended from time to time, must be used. In the absence of any definition within the abovementioned legislation, the common meaning of the term is used.	Original condition (A30) deleted. The information has been included in the definitions section.
Perched Water bodies Investigations		
(A31)	By 31 December 2008, the environmental authority holder must conduct investigations to determine any environmental harm caused by the mining activity to perching layers of the following key environmental values : (a) Blakesley Lagoon; (b) Black Snake Lagoon; (c) Shag Lagoon; (d) Native Companion Lagoon; and (e) Duck Lagoon.	Original condition (A31) deleted. This investigation has been undertaken and the report has been reviewed by an expert hydrologist.
(A32)	The environmental authority holder must complete testing of the grout curtain installed at Lake Kounpee in accordance with the process listed below: (a) Start the testing cycle when there is sufficient available water supply from Kounpee Trench (also known as Wallum Wallum Trench to complete testing cycle ; (b) The requirements for this condition have been met once the testing cycle is complete.	Original condition (A32) deleted. Testing of the grout curtain has been completed.
(A33)	Within one (1) year of the completion of the testing cycle , the environmental authority holder must determine the effectiveness of the grout curtain and conduct any minor works necessary to ensure its effectiveness.	Original condition (A33) deleted. Completed
(A34)	Within (6) months after the completion of the investigations and works required by conditions (A31) to (A33) inclusive, determine the rehabilitation liability of any of the key environmental values determined to have been damaged by the mining activity .	Original condition (A34) deleted. Completed
(A35)	The environmental authority holder must submit quarterly progress reports on condition (A32) to the administering authority including: (a) The allowable extraction volume (according to water licences issued under the <i>Water Act 2000</i>); (b) The water requirements for production; (c) Whether there is sufficient available water supply from Kounpee Trench (also known as Wallum Wallum trench) to start the testing cycle ; (d) Dates of the testing cycle commencement and completion; and (e) Whether the water level in Lake Kounpee is being maintained at Reduced Level (RL) 43.	Original condition (A35) deleted. Completed
(A36)	Within six (6) months after the completion of the investigations and works required by conditions (A31) to (A33) inclusive, the environmental authority holder must submit an application to amend the environmental authority to incorporate rehabilitation objectives, indicators and acceptance criteria for the following key environmental values : (a) Lake Kounpee; (b) Blakesley Lagoon; (c) Black Snake Lagoon; (d) Shag Lagoon; (e) Native Companion Lagoon; and (f) Duck Lagoon; With respect to water level and water quality.	Original condition (A36) deleted but the 6 perched waterbodies mentioned in condition (A36) have been added to Table L5 . This will ensure that these lakes and lagoons meet the completion criteria for water level and quality, prior to the surrender of the EA.
(A37)	The restricted mine path in accordance with s 16 of the <i>North Stradbroke Island Protection and Sustainability Act 2011</i> is amended	Original condition (A37) deleted. This condition was deleted to facilitate the extension of mining till 2035.

ORIGINAL EA CONDITIONS		NEW EA CONDITIONS
	<p>to the interiors of the "Dredge Path" and " Dry Mining" areas shown on the map at Appendix 1.</p> <p>Note: to be clear dredge mining may only occur within the bounds of the "Dredge Path" area in Appendix 1, dry mining may only occur within the bounds of the " Dry Mining" area and/or within the bounds of the " Dredge Path" area in Appendix 1, and disturbance not already made before the commencement of the <i>North Stradbroke Island Protection and Sustainability Act 2011</i> may not extend outside the bounds of the areas shown as "Limit of Disturbance".</p>	
Schedule B - Air		Schedule B – Air
Dust Nuisance		Point Source Releases To Air/ Dust and particulate monitoring
(B1)	Subject to conditions (B2) and (B3), the release of dust or particulate matter, or both, resulting from the mining activity must not cause an environmental nuisance , at any sensitive place .	Original condition (B1) deleted – replaced with Model Condition A2 and covered by Section 440 of the Environmental Protection Act. A2 ensures the same level of environmental protection.
(B2)	When requested by the administrative authority , dust and particulate monitoring must be undertaken within a reasonable and practicable timeframe nominated by the administering authority to investigate any complaint (which is neither frivolous nor vexatious nor based on mistaken belief in the opinion of an authorised person) of environmental nuisance at any sensitive place , and the results must be notified within fourteen (14) days to the administering authority following completion of monitoring.	Original condition (B2) kept now Condition A1 .Original condition considered to be an appropriate site specific condition
(B3)	<p>If the environmental authority holder can provide evidence through monitoring that the following limits are not being exceeded then the holder is not in breach of condition (B1).</p> <p>(a) Dust deposition of 120 milligrams per square metre per day, averaged over one (1) month, when monitored in accordance with the <i>Australian/New Zealand Standard AS/NZS 3580.10.1:2003Methods for sampling and analysis of ambient air Method 10:1- Deposited matter- Gravimetric method</i> or more recent editions or amendments to this document as such become available; and</p> <p>(b) A concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (um) (PM10) suspended in the atmosphere of 150 micrograms per cubic metre over a 24 hour averaging time, at a sensitive place downwind of the operational land, when monitored in accordance with:</p> <p>(i) Particulate matter- Determination of suspended particulate PM10 high- volume sampler with size-selective inlet- Gravimetric method, when monitored in accordance with the <i>Australian/new Zealand Standard AS/NZS 3580.9.6:2003 Methods for sampling and analysis of ambient air- Determination of suspended particulate matter- PM(sub)109/sub) high volume sampler with size-selective inlet- Gravimetric method</i> or more recent editions or amendments to this document as such become available; or</p> <p>(ii) Any alternative method of sampling PM10. Which may be permitted by the Environmental Protection Agency's <i>Air Quality Sampling Manual</i>, November 1997 as published from time to time by the administering authority.</p> <p>NOTE: You must propose which monitoring method is appropriate in accordance with condition (B3(a)) or (B3(b)), or both.</p>	Original condition (B3) deleted – replaced with Model Condition A2 . A2 ensures the same level of environmental protection.
(B4)	<p>If monitoring indicates exceedance of the relevant limits in condition (B3), then the environmental authority holder must:</p> <p>(a) Address the complaint including the use of appropriate dispute resolution if required; or</p> <p>(b) Implement dust abatement measures so that emission of dust from the mining activity do not result in further environmental nuisance.</p>	Original condition (B4) deleted if an exceedance does occur EHP will undertake an investigation and decide on appropriate statutory action
Schedule C - Water		Schedule E – Groundwater
(C1)	The environmental authority holder must develop and implement, as part of the environmental management system required by conditions (A14) and (A15), an ongoing Groundwater Monitoring Program (GMP) as part of mine planning and the mining activity .	Original condition (C1) kept now Condition GW1 with text amendments to match the wording of the rest of the EA
(C2)	<p>The GMP must comply with the following requirements:</p> <p>(a) The development of a suitable groundwater monitoring network 9i.e bores/ piezometers), to monitor the level and flow of groundwater potentially impacted by the ongoing mining activity;</p> <p>(b) Pre-mining activity conceptual modelling;</p> <p>(c) Pre-mining activity predictive groundwater computer models;</p> <p>(d) Standing water levels and total well depths in metres must be measured and recorded during each monitoring event and must be reported as the depth in metre from the top[edge of the highest point of the casing collar to the water surface within the bore;</p> <p>(e) Groundwater level trends and flows must be compared to groundwater models for model verification and confirmation or reassessment of groundwater level and flow predictions; and</p> <p>(f) Evaluation of the risk of changes in groundwater levels and flows including appropriate modifications to the mine path and control measure to appropriately manage water levels to prevent or minimise environmental harm.</p>	Original condition (C2) kept now Condition GW2 .Original condition considered to be an appropriate site specific condition

ORIGINAL EA CONDITIONS		NEW EA CONDITIONS
(C3)	The groundwater monitoring network referred to in condition (C2) must: (a) Be installed and maintained by a suitable qualified and experienced person as required by condition (A24); and (b) Be constructed in accordance with the Agriculture and Resource Management Council of Australia and New Zealand manual titled <i>Minimum Construction Requirements for Water Bores</i> in Australia, Edition2, Revised September 2003, or more recent editions or supplements to that document as such become available.	Original condition (C3) kept now Condition GW3 .Original condition considered to be an appropriate site specific condition
(C4)	Any record made of the results of groundwater monitoring made in accordance with conditions (C2) and (C3) must be kept for not less than fifteen (150 years from the date the record was made.	Original condition (C4) kept now Condition GW4 .Original condition considered to be an appropriate site specific condition
(C5)	The environmental authority holder must ensure that the groundwater monitoring data gathering accordance with this environmental authority is analysed and interpreted to assess the nature and extent of any environmental authority is analysed and interpreted to assess the nature and extent of any environmental harm from the mining activity . The assessment must also include, but not be limited to, the location, nature (confined, unconfined etc.) of each aquifer, define groundwater contours and indicate direction of flow. The data collation, analysis and assessment must be conducted by a suitably qualified and experience person and must be submitted to the administering authority upon request.	Original condition (C5) kept now Condition GW5 .Original condition considered to be an appropriate site specific condition
Schedule D – Noise		Schedule D – Noise
Noise Nuisance		
(D1)	Subject to conditions (D2) and (D3), noise from the mining activity must not cause an environmental nuisance , at any sensitive place or commercial place .	Original condition (D1) deleted – replaced with Model Condition N2 . N2 ensures the same level of environmental protection. Original condition (D2) kept now Condition N1 .Original condition considered to be an appropriate site specific condition Original condition (D3) deleted – replaced with Model Condition N2 . N2 ensures the same level of environmental protection. Original condition (D4) deleted. if an exceedance does occur EHP will undertake an investigation and decide on appropriate statutory action
(D2)	When requested by the administering authority , noise monitoring must be undertaken within a reasonable and practicable timeframe nominated by the administering authority to investigate any complaint(which is neither frivolous nor vexatious nor based on mistaken belief in the opinion of an authorised person) of environmental nuisance at any sensitive place or commercial place , and the results notified within fourteen (14) days to the administering authority following completion of monitoring.	
(D3)	If the environmental authority holder can provide evidence through monitoring that the limits defined in Schedule D- Table 1, are not exceeded then the holder is not in breach of condition (D1). Monitoring must include: (a) La, max adj, T (b) The level and frequency of occurrence of impulsive or tonal noise; (c) Atmospheric conditions including wind speed and direction; and (d) Location, date and time of recording.	
(D4)	If monitoring indicates exceedance of the limits in Schedule D-Table1, then the environmental authority holder must: (a) Address the complaint including the use of appropriate dispute resolution if required; or (b) Implement noise abatement measure so that emission of noise from the mining activity do not result in further environmental nuisance .	
(D5)	The method of measurement and reporting of noise levels must comply with the latest edition of the Environmental Protection Agency's <i>Noise Measurement Manual</i> .	
Schedule E - Waste		Schedule C – Waste management
Waste Handling		
(E1)	All regulated waste removed from the mine site must be removed by an operator who holds a current approval to transport such waste under the provisions of the Environmental Protection Act 1994.	Original condition (E1) deleted. No regulated waste is removed. Model Condition WM1 added Model Condition WM2 added
Dry Mill Tailings		Tailings Disposal

ORIGINAL EA CONDITIONS		NEW EA CONDITIONS
(E2)	The disposal of dry mill tailings must be at least 10 metres below the final rehabilitation constructed landform .	Original condition (E2) kept now <u>Condition WM3</u> with the term “dry mill tailings” being amended to “zircon mags”. Advice was received from QLD Health that the definition change was appropriate. Original condition (E3) kept now <u>Condition WM4</u> .Original condition considered to be an appropriate site specific condition Original condition (E4) kept now <u>Condition WM5</u> .Original condition considered to be an appropriate site specific condition
(E3)	The trigger level for radiation is 0.12 uSv per hour above background, at one (1) metre above ground level.	
(E4)	Radiation levels must be monitored at the dry mill tailing disposal areas within one (1) month of the completion of the final constructed landform reshaping activities.	
Schedule F		Land And Rehabilitation Objectives
Open Area		
(F1)	The environmental authority holder must minimise open area , and meet the requirements of conditions (A16(f)) and (A16(g)).	Original condition (F1) deleted. This will be determined in the submitted plan of operations.
Rehabilitation outcomes		Rehabilitation Landform Criteria
(F2)	The environmental authority holder must complete an investigation into B rehabilitation B of disturbed areas and submit a report to the administering authority proposing acceptance criteria by 30 June 2006. The report must address: (a) Post mine land use ; (b) Landform aspect; (c) Landform geotechnical stability criteria; (d) Revegetation acceptance criteria taking into consideration the characteristic of the pre-1987 and the post-1987 areas; (e) Receiving water standards; (f) Water levels of surface water bodies and wetlands; and (g) Post mine closure maintenance and monitoring requirements.	Original condition (F2) deleted. Completed Original condition (F3) deleted as it refers to condition (F2) Original condition (F4) deleted as it refers to condition (F3)
(F3)	All areas significantly disturbed by the mining activity must be rehabilitated in accordance with the acceptance criteria , referred to in the report provided under condition (F2), as modified by the administering authority following its review of the report- if no modifications are notified by the administering authority to the environmental authority holder within twelve (12) months of the receipt of the report, then the acceptance criteria referred to in the report will apply.	
(F4)	Within the twelve (12) month period referred to in condition (F3), if the environmental authority holder and the administering authority mutually agree to modifications to the acceptance criteria referred to in the report provided in condition (F2), the environmental authority holder or the administering authority may seek to incorporate the agreed modifications into the environmental authority under the <i>Environmental Protection Act 1994</i> through an amendment to the environmental authority .	
(F5)	The administering authority will provide the environmental authority holder with twenty-eight (28) days written notice of any proposed modifications to be imposed under conditions (F3). If the environmental authority holder does not agree with the proposed modifications, the environmental authority holder can make an applications under the <i>Environmental Protection Act 1994</i> to amend this environmental authority in respect of the rehabilitation acceptance criteria to which the proposed modification(s) relate.	Original condition (F5) deleted as it refers to condition (F3)
Infrastructure		Infrastructure
(F7)	All infrastructure , constructed by, or for, the environmental authority holder during the mining activity including water storage structures, must be removed from the mine site prior to surrender of the authorised mining tenement(s) , except where agreed in writing by the post-mining landowner or landholder.	Original condition (F7) deleted. This is a requirement of Section 276 the Mineral Resources Act

ORIGINAL EA CONDITIONS		NEW EA CONDITIONS
Schedule G - Community		Schedule A – General - Complaints
(G1)	All complaints received must be recorded including details of complainant, reasons for the complaint, investigations undertaken, conclusions formed and actions taken. This information must be made available for inspection by the administering authority on request.	Original condition (G1) deleted – replaced with <u>Model Condition G16</u> . G16 is a reworded version of the original condition. <u>Model Condition G17 added</u>
Schedule H – Rehabilitation Acceptance Criteria		
General		Land and Rehabilitation Objects/Land and Rehabilitation Criteria
(H1)	Land disturbed by the mining activity must comply with all of the conditions in Schedule H in order for an application for progressive certification or surrender to be submitted to the administering authority .	Original condition (H1) deleted. This condition not required due to the fact that the operator is required to comply with the conditions of their EA Original condition (H2) deleted. It was determined that this condition is not required.
(H2)	When assessing compliance with the conditions in Schedule H, any values reported by the environmental authority holder must be rounded up to the next whole number.	
(H3)	All land disturbed by the mining activity must be rehabilitated as native bushland to ensure sustainable natural ecosystems at the point of progressive certification and surrender.	<u>Model Condition L1 added</u> Original condition (H3) kept now <u>Condition L2</u> . Original condition considered to be an appropriate site specific condition Original condition (H4) kept now <u>Condition L3</u> . Original condition considered to be an appropriate site specific condition
(H4)	All land disturbed by the mining activity must be free from waste (excluding tailings) generated from the mining activity that is used to construct landform .	
Contamination		
	NA in SAL EA CONDITIONS	<u>Model Condition L24 added</u>
Infrastructure		Infrastructure
(H5)	All infrastructure constructed, by or for, the environmental authority holder to support or facilitate the mining activity , must be removed prior to surrender of the environmental authority except where agreed in writing by the landowner or landholder that the infrastructure is to be transferred to the landowner or landholder and will remain on the land and/or where the landowner or landholder has accepted responsibility for any ongoing maintenance or monitoring. <i>Note-</i> Condition (H5) does not negate any requirements of the <i>Mineral Resources Act 1989</i> including any conditions for the authorised mining tenement(s) .	Original condition (H5) deleted. This is a requirement of Section 276 of the Mineral Resources Act
Landform		Schedule H - Land and Rehabilitation
(H6)	All constructed landform built pre-1 January 2007 must at least comply with the criteria specified in Schedule H- Table 1.	Original condition (H6) kept now <u>Condition L4</u> . Original condition considered to be an appropriate site specific condition Original condition (H7) kept now <u>Condition L5</u> . Original condition considered to be an appropriate site specific condition Original condition (H8) kept now <u>Condition L6</u> . Original condition considered to be an appropriate site specific condition Original condition (H9) kept now <u>Condition L7</u> . Original condition considered to be an appropriate site specific condition
(H7)	In the event that the areas listed in Schedule H- Table 1 are re-distributed by the mining activity resulting in the reconstruction of landform post-1 January 2006 , the criteria referred to in condition (H9) will apply to the re-mined area.	
(H8)	In the event that the areas listed in Schedule H- Table 1 are re-distributed by the mining activity resulting in changes to the pre-1 January 2007 values for area and proportion listed in Schedule H- Table 1, the environment authority holder must advise the administering authority in the planning document of the changed values for area or proportion that will apply to the landform pre-1 January 2007 .	
(H9)	Subject to condition (H11), all constructed landform built post- 1 January 2007 must comply with the following criteria: (a) Slopes of constructed landform do not exceed 25 degrees from horizontal; and (b) 80% of the area of the mining block must have the aspect element(s) that existed in the mining block, pre-mining activity , returned to the same location in the constructed landform where the volume difference index (VDI) of any mining block is within the range of -2.5 to +5.5; and (c) Regardless of the volume difference index(VDI) in conditions (H9(b)): (i) At least 75% of the area of the constructed landform at each mine site must contain the terrain element(s) present in the baseline topography within the same geomorphology unit ; (ii) The area covered by each terrain element(s) within the geomorphology unit in the constructed landform must not be less than 30% of the area covered by that terrain element(s) in the baseline topography within the same geomorphology unit ; and (iii) The number of terrain element(s) in a mining block must represent; (A) At least 80% of the number of terrain element(s) present in the baseline topography in that mining block where the volume difference index (VDI) of the mining block is positive; or (B) At least 50% of the number of terrain element(s) present in the baseline topography in that mining block	

ORIGINAL EA CONDITIONS		NEW EA CONDITIONS
	where the volume difference (VDI) of the mining block is negative.	
(H10)	In the event that the landform in a mining block cannot comply with the criteria in condition (H9(c)) due to compliance with conditions (H9(b)) take precedence to the extent of any inconsistency.	Original condition (H10) kept now Condition L8 ._Original condition considered to be an appropriate site specific condition Original condition (H11) kept now Condition L9 ._Original condition considered to be an appropriate site specific condition Original condition (H12) kept now Condition L10 ._Original condition considered to be an appropriate site specific condition
(H11)	The constructed landform does not have to comply with the criteria in condition (H9) where the construction of the landform compromises the safety of employees	
(H12)	In constructing landform in areas specified in Schedule H – Table 1, it is preferable for the baseline topography to be used for determining the aspect element(s) , rather than the pre-mining topography .	
Geotechnical Stability		
(H13)	The geotechnical stability of the constructed landform must have a factor of safety of not less than 1.3	Original condition (H13) kept now Condition L11 ._Original condition considered to be an appropriate site specific condition
(H14)	A Registered Professional Engineer of Queensland (RPEQ) possessing suitable qualifications and experience must certify the geotechnical stability required by condition (H13) has been achieved in the constructed landform .	Original condition (H14) kept now Condition L12 ._Original condition considered to be an appropriate site specific condition
Erosion		
(H15)	All land disturbed by the mining activity must: (a) Not have a rare of spoil loss that exceeds that present in representative unmined areas within the authorised mining tenement(s) that have the same chemical and physical characteristics including slope, slope length and fire regime; and (b) Not exhibit any signs of continued erosion greater than that exhibited on representative unmined areas within the authorised mining tenement ; and (c) Meet the criteria conditions (H17, (H18) and (H20) regarding revegetation; and (d) Have the equivalent proportions of litter to that present in representative unmined areas within the authorised mining tenement(s) .	Original condition (H15) kept now Condition L13 with the deletion of (a) and (b). Parts (a) and (b) were removed given that there are no "natural" sites without established native vegetation to undertake an erosion study comparison. Parts (a) and (b) require erosion to meet 'natural' conditions where there is no vegetation – there is no location on the island which provides a 'natural' non-vegetated area in similar conditions.
Revegetation		
(H16)	The assessment of revegetated areas must comprise of sampling consistent with the Queensland Herbarium Mapping Methodology with appropriate modification for scale.	Original condition (H16) kept now Condition L14 ._Original condition considered to be an appropriate site specific condition
(H17)	Subject to condition and Schedule (15), all land disturbed by mining activity that has been revegetated post-30 June 1987 must comply with the criteria specified in Schedule H-Table 2. <u>Note</u> - For the purposes of this condition and Schedule H- Table 2, and with respect to the Ibis Mine, the following report is considered to constitute the baseline environmental studies and ESR :	Original condition (H17) deleted. This condition was deleted to simplify and strengthen the criteria for vegetation by removing references to ESRs.
(H18)	Subject to condition (H15) all land disturbed by the mining activity that has been revegetated post-30 June 1987 must comply with the criteria specified in Schedule H-Table 3.	Original condition (H18) kept now Condition L15 ._Original condition considered to be an appropriate site specific condition
(H19)	Notwithstanding conditions (H17) and (H18), the species specified in Schedule H- Table 4 must be present in all land disturbed by the mining activity that has been revegetated post-30 June 1987 .	Original condition (H19) kept now Condition L16 ._Original condition considered to be an appropriate site specific condition
(H20)	Subject to condition (H15) all land disturbed by the mining activity that has been revegetated pre-30 June 1987 must comply with the criteria specified in Schedule H- Table 5.	Original condition (H20) kept now Condition L17 ._Original condition considered to be an appropriate site specific condition
(H21)	The revegetation criteria specified in Schedule H- Table 2, Schedule H-Table 3 and Schedule H- Table5 for the number of species do not apply: (a) Where specific projects approved by the administering authority have been undertaken to increase fauna species diversity and abundance; and (b) To the fringing vegetation surrounding artificially created water bodies or watercourses approved by the administering authority .	Original condition (H21) kept now Condition L18 ._Original condition considered to be an appropriate site specific condition

ORIGINAL EA CONDITIONS		NEW EA CONDITIONS
	<p><u>Note</u>- For the purposes of this condition, the following are considered to have been approved by the administering authority:</p> <ul style="list-style-type: none">(i) <i>Eucalyptus tereticornis</i> planted at the Bayside Mine for Koalas;(ii) Unnamed artificial wetland at the Bayside Mine that is inhabited by significant wallum frogs, other frog specie, invertebrates and freshwater turtles; and(iii) Dam 1 and Dam 4 artificial wetlands at the Yarraman Mine that are inhabited by significant wallum frogs.	
(H22)	The authorised mining tenement(s) must be free of Class 1 and Class 2 declared plants as listed under the <i>Land Protection (Pest and Stock route Management) Act 2002</i> and subordinate legislation.	Original Condition (H22) deleted. This is a requirement of the Land Protection (Pest and Stock route Management) Act.
(H23)	The following weed species must not be present in the rehabilitation in densities that prevent the revegetation criteria in Schedule H-Table2, Schedule H- Table 3 and Schedule H- Table 5 from being achieved. (a) <i>Pinus</i> spp; and (b) <i>Poaceae</i> spp, including <i>Brachiaria decumbens</i> (signal grass), <i>Megathyrus maximus var.pubiglumis</i> (green panic), <i>Megathyrus maximus var.maximus(guinea grass)</i> , <i>Mellinis minutiflora (molasses grass)</i> , <i>Andropogon virginicus (whiskey grass)</i> and <i>Mellinis repens (red natal grass)</i> ; and (c) Class 3 declared plants under the <i>Land Protection (Pest and Stock route Management) Act 2002</i> and subordinate legislation.	Original condition (H23) kept now Condition L19 with the deletion of (c). Part (c) is a requirement of the Land Protection (Pest and Stock route Management) Act.
(H24)	<i>Acacia spp.</i> not native to North Stradbroke Island must not be present in the rehabilitation in densities that prevent the revegetation criteria in Schedule H- Table 2, Schedule H-Table 3 and Schedule H- Table 5 from being achieved.	Original Condition (H24) deleted. This condition was determined not to be required as they have rehabilitation criteria that needs to be met.
(H25)	All land disturbed by the mining activity and rehabilitated post-30 June 1987 that have already been mined and rehabilitated prior to 30 June 1987 must comply with condition (H20).	Original condition (H25) kept now Condition L20 ._Original condition considered to be an appropriate site specific condition
Water Quality		See Contaminated Land and Groundwater below
(H26)	The quality of the waters (other than key environmental values addressed in conditions (A31) to (A36) inclusive) must meet one of the following criteria in the order of preference listed and be accompanied by justification to support the use of that criteria: (a) The difference in relevant water quality parameters between pre-mining activity and post-mining activity is not statistically significant (i.e. "historic assessment")- most preferred criteria; (b) The difference in relevant water quality parameters between the post-mining activity receiving water quality and the quality in a reference site is not statistically significant for the corresponding time period(i.e. "reference site assessment"); (c) Water quality guidelines developed in accordance with the process specified in the <i>Environmental Protection Agency (EPA) Queensland Water Quality Guidelines (QWQG)</i> dated March 2006 or revisions or more recent editions of this document as they become available for the water and for the relevant water quality parameters an criteria in these guidelines have been consistently achieved post-mining activity (i.e. QWQG process). (d) Water quality guidelines developed in accordance with the process specified in the Australian and New Zealand Environment and Conservation Council (ANZECC) <i>Australian and New Zealand Guidelines for Fresh and Marine Water Quality</i> dated 2000 or revisions or more recent editions of this document as they become available for the water and for the relevant water quality parameters and criteria in these guidelines have been consistently achieved post-mining activity (i.e."ANZECC process")- least preferred criteria	Original condition (H26) kept now Condition L21 with the deletion of "(other than key environmental values addressed in conditions (A31) to (A36) inclusive)". This section of the condition was deleted as conditions (A31) to (A36) have been deleted and the perched waterbodies listed in these conditions have been included into Table L5. Original condition (H27) kept now Condition L22 ._Original condition considered to be an appropriate site specific condition Original condition (H28) kept now Condition L23 ._Original condition considered to be an appropriate site specific condition
(H27)	The reference site required by condition (H26(b)): (a) Must not have been impacted by the mining activity ; and (b) Must not be nominated by the environmental authority holder ; and (c) Must be acceptable to the administering authority holder prior to use; (d) Must be in a similar ecological setting.	
(H28)	The water quality monitoring required to be undertaken by condition (H26) must be undertaken at a frequency of not less than quarterly whilst mining operations are being undertaken and not less than biannually when mining operations ceased.	
Contaminated Land and Groundwater		
(H29)	Notwithstanding condition (H26), a Site Investigation Report, prepared in accordance with the <i>Environmental Protection Act 1994</i> and the <i>Draft Guidelines and Assessment Management of Contaminated Land in Queensland</i> (DEH,1998) or revisions or more recent editions of this document as they become available, must be submitted to the administering authority to: (a) Demonstrate that the subject land and the groundwater affected by the diesel spill at the Amity Mine is suitable for the intended use; and (b) Enable the administering authority to remove the site from the Environmental Management Register (EMR) .	Original condition (H29) kept now Condition L25 ._Original condition considered to be an appropriate site specific condition Original condition (H30) kept now Condition L26 ._Original condition considered to be an appropriate site specific condition Original condition (H31) kept now Condition L27 ._Original condition considered to be an appropriate site specific condition Original condition (H32) kept now Condition L28 ._Original condition considered to be an appropriate site specific condition

ORIGINAL EA CONDITIONS		NEW EA CONDITIONS
(H30)	Notwithstanding condition (H26), a Salinity Investigation Report of the groundwater of the Amity Mine dredge areas and associated water expressions (i.e. Amity Swamp) must be submitted to the administering authority to: (a) Provide and analyse water quality monitoring results; and (b) Enable recommendation on the assessment of the rehabilitation success.	Original condition (H33) kept now Condition L29 .Original condition considered to be an appropriate site specific condition Original condition (H34) kept now Condition L30 .Original condition considered to be an appropriate site specific condition
(H31)	The information required by conditions (H29) and (H30) must be reviewed and certified by a Third Party Reviewer before being submitting to the administering authority .	
(H32)	A third Party Reviewer must be appointed under the Environmental Protection Agency's (EPA's) Operational Policy <i>Third Party Reviewer Terms of Reference</i> or revisions or more recent editions of this document as they become available.	
(H33)	Water quality monitoring required for the Salinity Investigation Report must be undertaken by a suitably qualified person in accordance with the latest edition of the Environmental Protection Agency's <i>Water Quality Sampling Guideline</i>	
(H34)	Water quality monitoring required for the Salinity Investigation Report must be undertaken from a sufficient number of sampling locations to provide representative data and enable an assessment of the rehabilitation success.	
Water Level		
(H35)	Acceptance criteria for water level are not deemed to be met until: (a) An analysis of water level monitoring is undertaken to compare: (i) The historical water levels of the nominated water bodies specified in Schedule H- Table 6, including pre-mining activity and post-mining activity , for a period of not less than ten (10) years; and (ii) Seasonal variations for a period of not less than five (5) years; and (iii) The impact, if any, of the mining activity on the water levels of the nominated waterbodies specified in Schedule H- Table 6; and (b) Water levels of the nominated waterbodies specified in Schedule H- Table 6 post-mining activity : (i) Are not statistically significant to the pre-mining activity water levels; or (ii) Any statistically significant variation to the pre-mining activity water levels must not be due to the mining activity . (c) It is demonstrated that there is no adverse impact on vegetation communities that are reliant upon a range in water level.	Original condition (H35) kept now Condition L31 .Original condition considered to be an appropriate site specific condition
(H36)	The water level monitoring required to be undertaken by condition (H35) must be undertaken at a frequency of not less than quarterly.	Original condition (H36) kept now Condition L32 .Original condition considered to be an appropriate site specific condition
(H37)	Notwithstanding condition (H35), the landform must be constructed so that the water level in Yarraman Lake and Keyhole Lakes 2 and 3 are maintained, without human intervention, for a period of not less than ten (10) years.	Original condition (H37) deleted. This condition was deleted as they are captured in Table L5 and therefore are required to meet the rehabilitation criteria assessment associated with them.
Fauna		
(H38)	The environmental authority holder must demonstrate that populations of endangered, vulnerable rare or near threatened wildlife, as specified in the <i>Nature Conservation Act 1992</i> and subordinate legislation, on the authorised mining tenement(s) will return to levels equivalent to other similar habitats on North Stradbroke Island.	Original condition (H38) kept now Condition L33 .Original condition considered to be an appropriate site specific condition