

Permit

Environmental Protection Act 1994

Environmental authority EPPR00704013

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

Environmental authority number: EPPR00704013

Environmental authority takes effect on 21 September 2020

Environmental authority holder(s)

Name(s)	Registered address
MORANBAH NORTH COAL PTY LTD	Level 11 201 Charlotte Street BRISBANE CITY QLD 4000
MITSUI MORANBAH NORTH INVESTMENT PTY LTD	Level 24 480 Queen Street BRISBANE CITY QLD 4000 Australia
JFEMA MORANBAH NORTH PTY LTD	Suite 3B Level 33 52 Martin Place SYDNEY NSW 2000
SHINSHO MORANBAH COAL PTY LTD	Level 12 124 Walker Street NORTH SYDNEY NSW 2060
NS COAL (MORANBAH NORTH) PTY LTD	Level 9 10 Market Street BRISBANE CITY QLD 4000 Australia
NS MORANBAH NORTH PTY LTD	Level 5 20 Hunter St SYDNEY NSW 2000 Australia

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
Schedule 3 09: A mining activity involving drilling, costeaning, pitting or carrying out geological surveys causing significant disturbance	MDL274
Schedule 3 09: A mining activity involving drilling, costeaning, pitting or carrying out geological surveys causing significant disturbance	MDL273
Schedule 3 10: Investigating the potential development of a mineral resource by large bulk sampling or constructing an exploratory shaft, adit or open pit	MDL274

Environmental authority

Environmentally relevant activity/activities	Location(s)
Schedule 3 09: A mining activity involving drilling, costeaning, pitting or carrying out geological surveys causing significant disturbance	EPC552
Schedule 3 10: Investigating the potential development of a mineral resource by large bulk sampling or constructing an exploratory shaft, adit or open pit	EPC552
Schedule 3 10: Investigating the potential development of a mineral resource by large bulk sampling or constructing an exploratory shaft, adit or open pit	MDL273

Additional information for applicants

Environmentally relevant activities

The description of any environmentally relevant activity (ERA) for which an environmental authority (EA) is issued is a restatement of the ERA as defined by legislation at the time the EA is issued. Where there is any inconsistency between that description of an ERA and the conditions stated by an EA as to the scale, intensity or manner of carrying out an ERA, the conditions prevail to the extent of the inconsistency.

An EA authorises the carrying out of an ERA and does not authorise any environmental harm unless a condition stated by the EA specifically authorises environmental harm.

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

Contaminated land

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

- the happening of an event involving a hazardous contaminant on the contaminated land (notice must be given within 24 hours); or
- a change in the condition of the contaminated land (notice must be given within 24 hours); or
- a notifiable activity (as defined in Schedule 3) having been carried out, or is being carried out, on the contaminated land (notice must be given within 20 business days);

that is causing, or is reasonably likely to cause, serious or material environmental harm.

For further information, including the form for giving written notice, refer to the Queensland Government website www.qld.gov.au, using the search term 'duty to notify'.

Environmental authority

Take effect

Please note that, in accordance with section 200 of the EP Act, an EA has effect:

- a) if the authority is for a prescribed ERA and it states that it takes effect on the day nominated by the holder of the authority in a written notice given to the administering authority-on the nominated day; or
- b) if the authority states a day or an event for it to take effect-on the stated day or when the stated event happens; or
- c) otherwise-on the day the authority is issued.

However, if the EA is authorising an activity that requires an additional authorisation (a relevant tenure for a resource activity, a development permit under the Sustainable Planning Act 2009 or an SDA Approval under the State Development and Public Works Organisation Act 1971), this EA will not take effect until the additional authorisation has taken effect.

If this EA takes effect when the additional authorisation takes effect, you must provide the administering authority written notice within 5 business days of receiving notification of the related additional authorisation taking effect.

If you have incorrectly claimed that an additional authorisation is not required, carrying out the ERA without the additional authorisation is not legal and could result in your prosecution for providing false or misleading information or operating without a valid environmental authority.

Department of Environment and Science
Delegate of the administering authority
Environmental Protection Act 1994

Date issued: 25 February 2021

Enquiries:
Coal & Gemstone Mining
Department of Environment and Science
Phone: 07 4987 9320
Email: crmining@des.qld.gov.au

Environmental authority

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)

Obligations under the *Environmental Protection Act 1994*

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- 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)

Other permits required

This permit only provides an approval under the *Environmental Protection Act 1994*. In order to lawfully operate you may also require permits / approvals from your local government authority, other business units within the department and other State Government agencies prior to commencing any activity at the site. For example, this may include permits / approvals with your local Council (for planning approval), the Department of Transport and Main Roads (to access state controlled roads), the Department of Natural Resources, Mines and Energy (to clear vegetation), and the Department of Agriculture and Fisheries (to clear marine plants or to obtain a quarry material allocation).

Obligations under the *Mining and Quarrying Safety and Health Act 1999*

If you are operating a quarry, other than a sand and gravel quarry where there is no crushing capability, you will be required to comply with the *Mining and Quarrying Safety and Health Act 1999*. For more information on your obligations under this legislation contact Mine Safety and Health at www.dnrme.qld.gov.au, or phone 13 QGOV (13 74 68) or your local Mines Inspectorate Office.

Development Approval

This permit is not a development approval under the *Planning Act 2016*. The conditions of this environmental authority are separate, and in addition to, any conditions that may be on the development approval. If a copy of this environmental authority is attached to a development approval, it is for information only, and may not be current. Please contact the Department of Environment and Science to ensure that you have the most current version of the environmental authority relating to this site.

Conditions of environmental authority

With the exception of any variations, the conditions of approval for this environmental authority include standard conditions contained within the attached document(s) entitled:

- *Code of Environmental Compliance for Exploration and Mineral Development Projects, EM586 Version 1.1* The environmentally relevant activity(ies) conducted at the location as described above must be conducted in accordance with the following site specific conditions of approval.

Schedule A: General	
Condition number	Condition
A1	This environmental authority does not authorised environmental harm unless a condition contained within the authority explicitly authorises that harm. Where there is no condition or the authority is silent on a matter, the lack of a condition or silence shall not be construed as authorising harm.
A2	Financial Assurance Provide financial assurance in the amount and form required by the administering authority prior to the commencement of activities proposed under this environmental authority.
A3	The financial assurance is to remain in force until the administering authority is satisfied that no claim on the assurance is likely. Note: Where progressive rehabilitation is completed and acceptable to the administering authority, progressive reductions to the amount of financial assurance will be applicable where rehabilitation has been completed in accordance with the acceptance criteria defined within this environmental authority.
A4	Activity Prior to the commencement of activities on MDL273, MDL274 and EPC552, the environmental authority holder must develop and implement a program to ensure that all employees and contractors on site are aware of and comply with the relevant requirements of this environmental authority.
A5	The environmental authority holder is authorised to carry out mining activities on MDL273, MDL274 and EPC 552.
A6	The environmental authority holder must comply with each of the Standard Environmental Conditions contained in the ' <i>Code of Environmental Compliance for Exploration and Mineral Development Projects EM586 Version 1.1</i> ', except Condition 13, which is replaced by the conditions in this environmental authority.
A7	Mining activities undertaken must be consistent with the "Grosvenor Project EM Plan (Anglo Coal Grosvenor Pty Ltd)", dated February 2012.

A8	Activity Contaminants must not be released to the receiving environment unless authorised by this environmental authority.
A9	Monitoring, Reporting and Emergency Procedures The environmental authority holder must comply with each of the 'Monitoring, Reporting and Emergency Response Procedures' Standard Environmental Conditions contained in the '<i>Code of Environmental Compliance for Exploration and Mineral Development Projects EM586 Version 1.1</i>'
A10	The environmental authority holder must notify the administering authority by written notification as soon as practicable but within 24 hours after becoming aware of any emergency or incident which results in the release of contaminants not in accordance, or reasonably expected to be not in accordance, with the conditions of this environmental authority.
A11	The notification in condition A14 must include, but not be limited to, the following: a) The environmental authority number and name of the holder; b) The name and telephone number of the designated contact person; c) The location of the emergency or incident; d) The date and time of the emergency or incident; e) The time the holder of the environmental authority became aware of the emergency or incident; f) Where known: i) the estimated quantity and type of substances involved in the emergency or incident; ii) the actual or potential cause of the emergency or incident; and iii) a description of the nature and effects of the emergency or incident including environmental risks, and any risks to public health or livestock; g) Any sampling conducted or proposed, relevant to the emergency or incident; and h) Immediate actions taken to prevent or mitigate any further environmental harm caused by the emergency or incident; and i) What notification of stakeholders who may be affected by the emergency or incident has occurred or is being undertaken.
A12	Within ten (10) business days following the initial notification of an emergency or incident, or receipt of monitoring results, whichever is the latter, further written advice must be provided to the administering authority, including the following: (a) Results and interpretation of any samples taken and analysed; (b) Outcomes of actions taken at the time to prevent or minimise unlawful environmental harm; and (c) Proposed actions to prevent a recurrence of the emergency or incident.

A13	The environmental authority holder must notify, in writing, the occupiers or registered owners of affected land and any other potentially impacted stakeholder as soon as reasonably practicable after becoming aware of any emergency or incident that has the potential to impact on environmental values or breaches any condition of this environmental authority concerning releases of contaminants to the environment.
A14	The notification in condition A13 must include the following: a) The location of the emergency or incident; b) The date and time of the emergency or incident; c) The estimated quantity and type of any substances involved in the emergency or incident; d) The potential impacts to environmental values caused by the emergency or incident; and e) Where there is potential impact on livestock or human health, precautionary measures that should be taken.
A15	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.
A16	Where monitoring is a requirement of this environmental authority, ensure that a competent person(s) conduct all monitoring.

Schedule B: Air	
Condition number	Condition
B1	Air Quality The environmental authority holder must comply with each of the 'Air Quality' Standard Environmental Conditions contained in the 'Code of Environmental Compliance for Exploration and Mineral Development Projects EM586 Version 1.1'.

Schedule C: Water	
Condition number	Condition
C1	Erosion and Sediment Control The environmental authority holder must comply with each of the 'Erosion and Sediment Control' Standard Environmental Conditions contained in the ' <i>Code of Environmental Compliance for Exploration and Mineral Development Projects EM586 Version 1.1</i> '.
C2	Contaminants must not be released to any waters or the bed and banks of any waters.

Schedule D: Noise	
Condition number	Condition
D1	Noise Emissions The environmental authority holder must comply with each of the 'Noise Emissions' Standard Environmental Conditions contained in the <i>'Code of Environmental Compliance for Exploration and Mineral Development Projects'</i>.

Schedule E: Waste	
Condition number	Condition
E1	Waste Management The environmental authority holder must comply with each of the 'Waste Management' Standard Environmental Conditions contained in the <i>'Code of Environmental Compliance for Exploration and Mineral Development Projects EM586 Version 1.1'</i>, except condition 21, which is replaced by condition E2 and E3 of this environmental authority.
E2	General waste must not be disposed of within MDL 273, MDL 274 and EPC 552.
E3	Regulated Waste must not be disposed of within MDL 273, MDL 274 and EPC 552.

Schedule F: Land	
Condition number	Condition
F1	The environmental authority holder is authorised to carry out mining activities on MDL 273, MDL 274 and EPC 552, within any Category B Environmentally Sensitive Area subject to conditions of this authority.
F2	The environmental authority holder must comply with each of the 'Land Disturbance' Standard Environmental Conditions contained in the <i>'Code of Environmental Compliance for Exploration and Mineral Development Projects EM586 Version 1.1'</i> , except condition 2, which is replaced by conditions F2 to F4 of this environmental authority.
F3	The operational area within the drill sites undertaken as part of the 2012 drill program, as identified in Attachment 1, must not exceed 1200m ² for small diameter drill holes.
F4	The operational area within the drill sites undertaken as part of the 2012 drill program, as identified in Attachment 2, must not exceed 5600m ² for large diameter drill holes.

F5	Nature Conservation The environmental authority holder must comply with each of the 'Nature Conservation' Standard Environmental Conditions contained in the '<i>Code of Environmental Compliance for Exploration and Mineral Development Projects EM586 Version 1.1</i>', except condition 13, which is replaced by conditions of this environmental authority.
F6	In carrying out activities on MDL 273, MDL274 and EPC 552 all reasonable and practicable measures must be taken to prevent or minimise the likelihood of environmental harm being caused to any Category B Environmentally Sensitive Area and the 500m buffer of any Category B Environmentally Sensitive Area.
F7	Clearing of habitat trees is not authorised except with the approval of the administering authority.
F8	Clearing of mature trees is authorised except with the approval of the administering authority.
F9	Debris from clearing or felling of trees must not accumulate within two (2) metres of any retained tree.
F10	Burning of vegetation is not permitted.
F11	When carrying out mining activities in any Category B Environmentally Sensitive Area the holder of this environmental authority must do so in accordance with conditions F12 to F57.
F12	Hazardous Contaminants The environmental authority holder must comply with each of the 'Hazardous Contaminants' Standard Environmental Conditions contained in the '<i>Code of Environmental Compliance for Exploration and Mineral Development Projects EM586 Version 1.1</i>'.
F13	All explosives, hazardous chemicals, corrosive substances, toxic substances, gases and dangerous goods must be stored and handled in accordance with the current Australian Standard where such is applicable.
F14	Flammable and combustible liquids, including petroleum products, must be stored and handled in accordance with the latest edition of 'AS1940 - The storage and handling of flammable and combustible liquids'.
F15	The environmental authority holder must minimise the potential for contamination of land and waters by diverting stormwater around contaminated areas and facilities used for the storage of chemicals and flammable or combustible liquids.
F16	Drilling, Excavating and Sampling The environmental authority holder must comply with each of the 'Drilling, Excavating and Sampling' Standard Environmental Conditions contained in the '<i>Code of Environmental Compliance for Exploration and Mineral Development Projects EM586 Version 1.1</i>'.
F17	The environmental authority holder is not authorised to undertake 'Drift Drilling' drill holes in a Category B Environmentally Sensitive Area.

F18	The environmental authority holder is authorised to undertake a maximum of seven (7) small diameter 'Drift Drilling' drill holes in areas outside of any Category B Environmentally Sensitive Areas and 500m buffer of any Category B Environmentally Sensitive Area .
F19	The environmental authority holder is authorised to undertake a maximum of fourteen (15) small diameter 'Drift Drilling' drill holes within the 500m buffer of any Category B Environmentally Sensitive Area .
F20	The environmental authority holder is not authorised to undertake 'Resource Drilling' drill holes in a Category B Environmentally Sensitive Area .
F21	The environmental authority holder is authorised to undertake a maximum of three (3) 'Resource Drilling' drill holes in areas outside of any Category B Environmentally Sensitive Areas and 500m buffer of any Category B Environmentally Sensitive Area .
F22	The environmental authority holder is authorised to undertake a maximum of five (5) 'Resource Drilling' drill holes within the 500m buffer of a Category B Environmentally Sensitive Area .
F23	Drill site intensity is limited to four sites per hectare within the 500m buffer of any Category B Environmentally Sensitive Area .
F24	The operational area within the drill site for smaller diameter holes (100 mm core), as identified in Attachment 1, must not exceed 1200m ² .
F25	The operational area within the drill site for larger diameter holes (200mm core), as identified in Attachment 2, must not exceed 5600m ² .
F26	Drill holes within any Category B Environmentally Sensitive Area are to be a maximum of 380mm diameter (200mm core).
F27	Drill holes within the 500m buffer of any Category B Environmentally Sensitive Area are to be a maximum of 380mm diameter (200mm core).
F28	The sumps for smaller diameter holes less than 125mm diameter within the 500m buffer of any Category B Environmentally Sensitive Area must not exceed 60m ² .
F29	The sumps for larger diameter holes less than 380mm diameter within the 500m buffer of any Category B Environmentally Sensitive Area must not exceed 205 m ² .
F30	Gridlines and Geophysical Surveys The environmental authority holder must comply with each of the 'Gridlines and Geophysical Surveys' Standard Environmental Conditions contained in the '<i>Code of Environmental Compliance for Exploration and Mineral Development Projects EM586 Version 1.1</i>'.

F31	The environmental authority holder is not authorised to undertake 2D seismic survey tracks. Within any Category B Environmentally Sensitive Area .
F32	The environmental authority holder is not authorised to undertake 2D seismic survey tracks within the 500m buffer of any Category B Environmentally Sensitive Area .
F33	The environmental authority holder is not authorised to undertake 3D seismic survey tracks in any Category B Environmentally Sensitive Area .
F34	The environmental authority holder is authorised to undertake no more than 78 kilometres of 3D seismic survey tracks in total across MDL 273, MDL273 and EPC552.
F35	The environmental authority holder is authorised to undertake no more than 2.2 kilometres of 3D seismic survey tracks within the 500m buffer of any Category B Environmentally Sensitive Area .
F36	Spacing of 3D seismic gridlines within the 500m buffer of any Category B Environmentally Sensitive Area may only be undertaken at minimal intervals of 30m for receiver lines and 50 meters for source lines.
F37	Topsoil and Overburden Management The environmental authority holder must comply with each of the 'Topsoil and Overburden Management' Standard Environmental Conditions contained in the ' <i>Code of Environmental Compliance for Exploration and Mineral Development Projects EM586 Version 1.1</i> '.
F38	Topsoil stripping within any Category B Environmentally Sensitive Area must not exceed the sump area of 60m ² .
F39	Topsoil stripping within the 500m buffer of any Category B Environmentally Sensitive Area must not exceed an area of 625m ² (with dimensions no greater than 25m x 25m).
F40	Roads and Tracks The environmental authority holder must comply with each of the 'Roads and Tracks' Standard Environmental Conditions contained in the ' <i>Code of Environmental Compliance for Exploration and Mineral Development Projects EM586 Version 1.1</i> '.
F41	Any existing access and fence line tracks must be used.
F42	Any new tracks are to be constructed by linking naturally cleared or previously disturbed areas where practical.
F43	The construction of any new tracks must be recorded with a Global Positioning System (GPS) in GDA94 coordinate system and records kept of their location and made available to the administering authority upon request.
F44	Tracks are not to be constructed greater than 5m in width.
F45	Track construction involving blade clearing of established ground cover vegetation and/or clearing of mature trees is to be prevented or minimised.
F46	Spacing of tracks must not be less than 250m.

F47	No clearing or disturbance for access to boreholes will take place in any Category B Environmentally Sensitive Area or within the 500m buffer of any Category B Environmentally Sensitive Area .
F48	Service, Maintenance and Storage Areas The environmental authority holder must comply with each of the 'Service, Maintenance and Storage Areas' Standard Environmental Conditions contained in the ' <i>Code of Environmental Compliance for Exploration and Mineral Development Projects EM586 Version 1.1</i> '.
F49	Previous approved disturbance All outstanding rehabilitation on mining tenures MDL273, MDL274 and EPC552 must be rehabilitated in accordance with this environmental authority.
F50	All outstanding rehabilitation on mining tenures MDL 273 and EPC 552 under this environmental authority, including disturbance to any Category B Environmentally Sensitive Area or within the 500m buffer of any Category B Environmentally Sensitive Area must be rehabilitated within three months of the commencement of this environmental authority.
F51	All outstanding rehabilitation on mining tenures MDL 273 and EPC 552 previously approved under this environmental authority , including disturbance to any Category B Environmentally Sensitive Area or within the 500m buffer of any Category B Environmentally Sensitive Area must be rehabilitated within three months of the commencement of this environmental authority .
F52	All outstanding rehabilitation on mining tenures MDL 274 previously approved under this environmental authority must be rehabilitated within three months of the commencement of this environmental authority .
F53	The environmental authority holder must comply with each of the 'Rehabilitation' Standard Environmental Conditions contained in the ' <i>Code of Environmental Compliance for Exploration and Mineral Development Projects EM586 Version 1.1</i> '.
F54	Rehabilitation of areas disturbed within any Category B Environmentally Sensitive Area or within the 500m buffer of any Category B Environmentally Sensitive Area must be completed as soon as practicable but no longer than 3 months after completion of the disturbance activity.
F55	The environmental authority holder must revegetate disturbed areas in any Category B Environmentally Sensitive Area or within the 500m buffer of any Category B Environmentally Sensitive Area with native plant species endemic to the area that will promote the same vegetation type and density of cover to that of the surrounding undisturbed areas in any Category B Environmentally Sensitive Area or within the 500m buffer of any Category B Environmentally Sensitive Area as per the " <i>Grosvenor Project EM Plan (Anglo Coal Grosvenor Pty Ltd)</i> ", dated February 2012.
F56	All land subject to mining activities must be rehabilitated to a non-polluting, safe, stable and self-sustaining landform and in accordance with Table 10 of the " <i>Grosvenor Project EM Plan (Anglo Coal Grosvenor Pty Ltd)</i> ", dated February 2012.

F57	An annual report must be prepared each year and submitted with each annual return. The report must include details of exploration activities undertaken and details of new tracks and progressive rehabilitation works completed to demonstrate compliance with conditions F49 to F56.
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Definitions

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

"Artesian bore" includes a shaft, well, gallery, spear or excavation, and any works constructed in connection with the shaft well, gallery, spear or excavation, that taps an aquifer and the water flows, or has flowed, naturally to the surface.

"Authority" means environmental authority (mining activities) under the *Environmental Protection Act 1994*.

"Borehole" means either an artesian bore or a subartesian bore.

"Campsite" the area encompassing any dwelling, amenities (e.g. toilet block, power generator), sewage or general waste disposal facility and includes the office area and vehicle parking areas associated with a temporary or permanent mining camp.

"Costeaning" the digging of a trench or pit across the seam or ore body for exposing, sampling and mapping of the ore body.

"Density of cover" In reference to trees and/or shrubs, it means the number of trees or shrubs in a specified area (e.g. 50 trees per square kilometre). With reference to understory plant species (e.g. grasses and forbs), it means the percentage of surface area covered by a particular species.

"Disturbed" any area that has had its natural state altered by the action or interference of carrying out an activity associated with the exploration project.

"Drift Drilling" as defined in the Grosvenor Project EM Plan (Anglo Coal Grosvenor Pty Ltd) February 2012.

"Endangered regional ecosystem" means a regional ecosystem identified as endangered in the database maintained by the administering authority called 'Regional ecosystem description database' containing regional ecosystem numbers and descriptions.

"Environmental authority" means a licence or approval issued by the administering authority under the *Environmental Protection Act 1994*.

"Environmental authority holder" means the holder of this environmental authority.

"Environmentally Sensitive Areas" refers to locations, however large or small, that have environmental values that contribute to maintaining biological diversity and integrity, have intrinsic or attributed scientific, historical or cultural heritage value, or are important in providing amenity, harmony or sense of community. Refer to Appendix A of Code of Environmental Compliance for Exploration and Mineral Development Projects.

"Financial assurance" means a security deposit, either cash or a bank guarantee, that is held by the administering authority to cover the potential:

- (a) costs to rehabilitate areas disturbed by mining activities; and
- (b) costs to restore property improvements disturbed by mining activities; and
- (c) failure of the tenure holder to pay rents and royalties.

"General waste" Schedule 9 of the *Environmental Protection Regulation 1998* defines general waste as "means waste other than regulated waste". Waste rock, overburden and the contents of tailings dams are not included in the definition of general waste for the purposes of these conditions.

"Habitat tree" a tree used or potentially used by hollow-dwelling fauna. Habitat trees are identified as a living tree with one or more visible hollows of 10cm or more in diameter that are positioned at least 2m above the base of the tree.

"Mature trees" are trees greater than 20 centimetres diameter at breast height (measured at 1.3 metres from the ground).

"Native vegetation" vegetation that occurs naturally in a certain **area**

"Progressive rehabilitation" means rehabilitation (defined below) undertaken progressively or a staged approach to rehabilitation as mining operations are ongoing.

"Rehabilitation processes" the measures and actions taken to achieve rehabilitation outcomes, including any or all of the following:

- removing all unwanted infrastructure;
- backfilling mine excavations (e.g. pits) and capping drill holes;
- reshaping the land surface to a stable landform similar to that of surrounding undisturbed areas;
- spreading of topsoil;
- spreading seed or planting seedlings to promote revegetation; benching ridge cuts and removing any overhanging material.

"Resource Drilling" as defined in the *Grosvenor Project EM Plan (Anglo Coal Grosvenor Pty Ltd)* February 2012.

"Significantly disturbed land" land is significantly disturbed if -

(a) it is contaminated land; or

(b) it has been disturbed and human intervention is needed to rehabilitate it. Significantly disturbed land includes:

- ☐ areas where soil has been compacted, removed, covered, exposed or stockpiled;
- ☐ areas where vegetation has been removed or destroyed to an extent where the land has been made susceptible to erosion; (vegetation & topsoil)
- ☐ areas where land use suitability or capability has been diminished;
- ☐ areas within a watercourse, waterway, wetland or lake where mining project activities occur; areas submerged by tailings or hazardous contaminant storage and dam walls in all cases;
- ☐ areas under temporary infrastructure. Temporary infrastructure includes any infrastructure (roads, tracks, bridges, culverts, dams, bores, buildings, fixed machinery, hardstand areas, airstrips, helipads etc) which is to be removed after mining has ceased; or
- ☐ areas where land has been contaminated.

However, the following areas are not included:

- ☐ areas off lease (e.g. roads or tracks which provide access to the mining lease);
- ☐ areas previously significantly disturbed which have achieved the rehabilitation outcomes;

- ☐ by agreement with the EPA, areas previously significantly disturbed which have not achieved the rehabilitation objectives due to circumstances beyond the control of the mine operator (such as climatic conditions);
- ☐ areas under permanent infrastructure. Permanent infrastructure includes any infrastructure (roads, tracks, bridges, culverts, dams, bores, buildings, fixed machinery, hardstand areas, airstrips, helipads etc) which is to be left by agreement with the landowner. The agreement to leave permanent infrastructure must be
- ☐ recorded in the Landowner Agreement and lodged with the EPA;
- ☐ disturbances that pre-existed the grant of the tenure unless those areas are disturbed during the term of the tenure.

"Standard environmental conditions" for an environmental authority, means the standard environmental conditions approved for the authority under Schedule 4 of the *Environmental Protection Act 1994*.

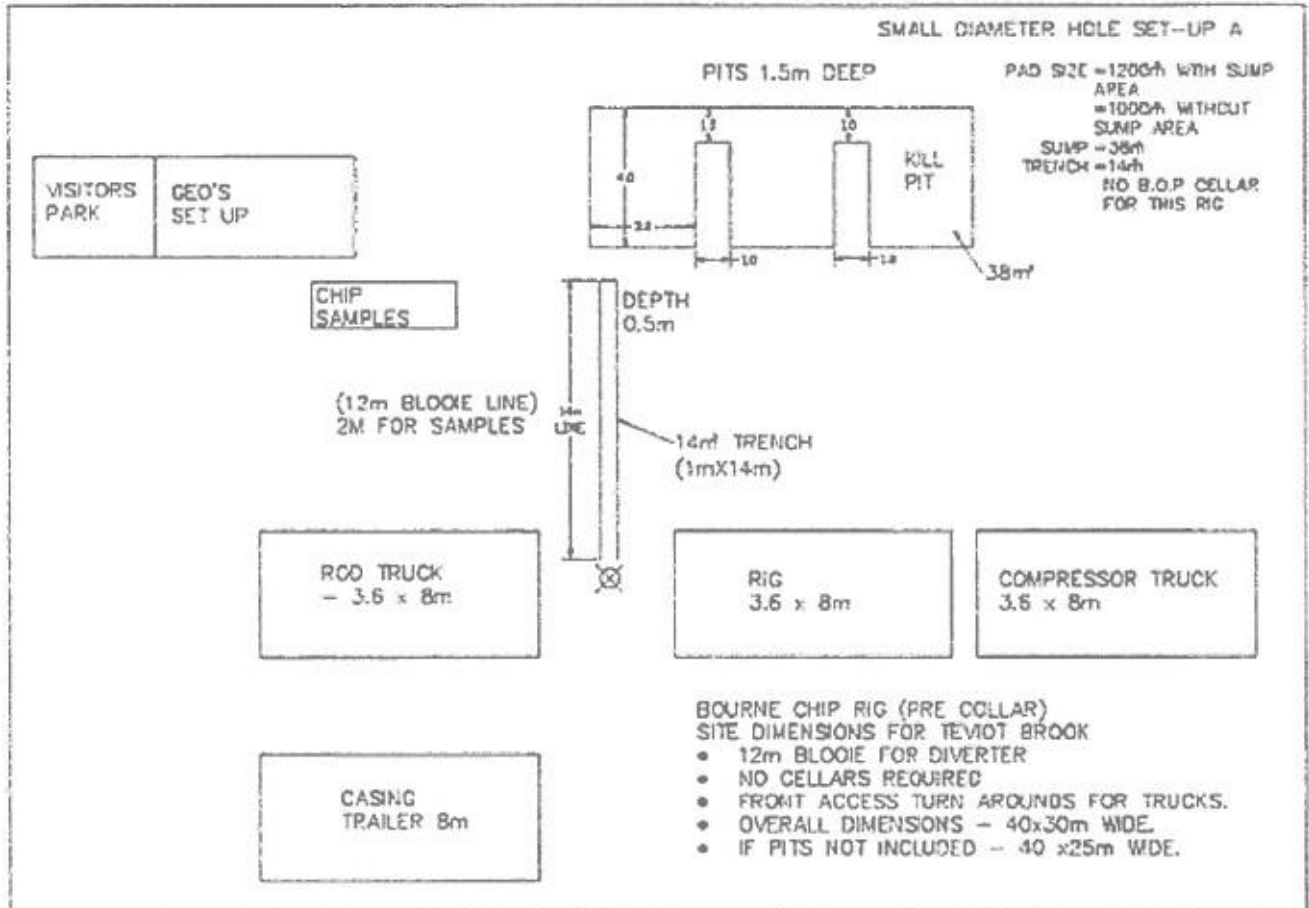
"Subartesian bore" includes a shaft, well, gallery, spear or excavation, and any works constructed in connection with the shaft, well, gallery or excavation, that taps an aquifer and the water does not flow and never has flowed naturally to the surface.

"Watercourse" means a river, creek or stream in which water flows permanently or intermittently in a visibly defined channel (natural, artificial or artificially improved) with:

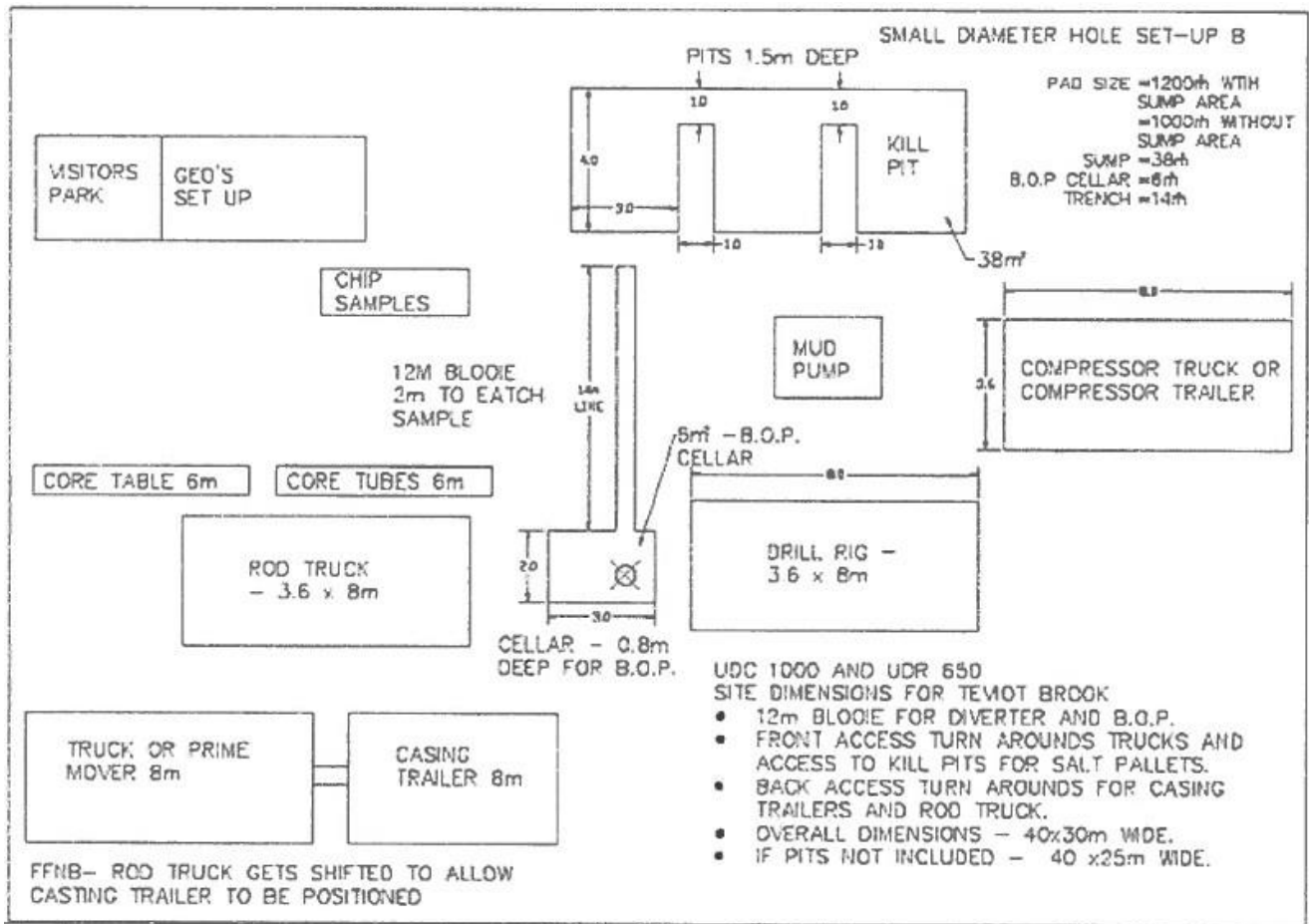
- (a) continuous bed and banks;
- (b) an extended period of flow for some months after rain ceases, and
- (c) an adequacy of flow that sustains basic ecological processes and maintains biodiversity

Appendices

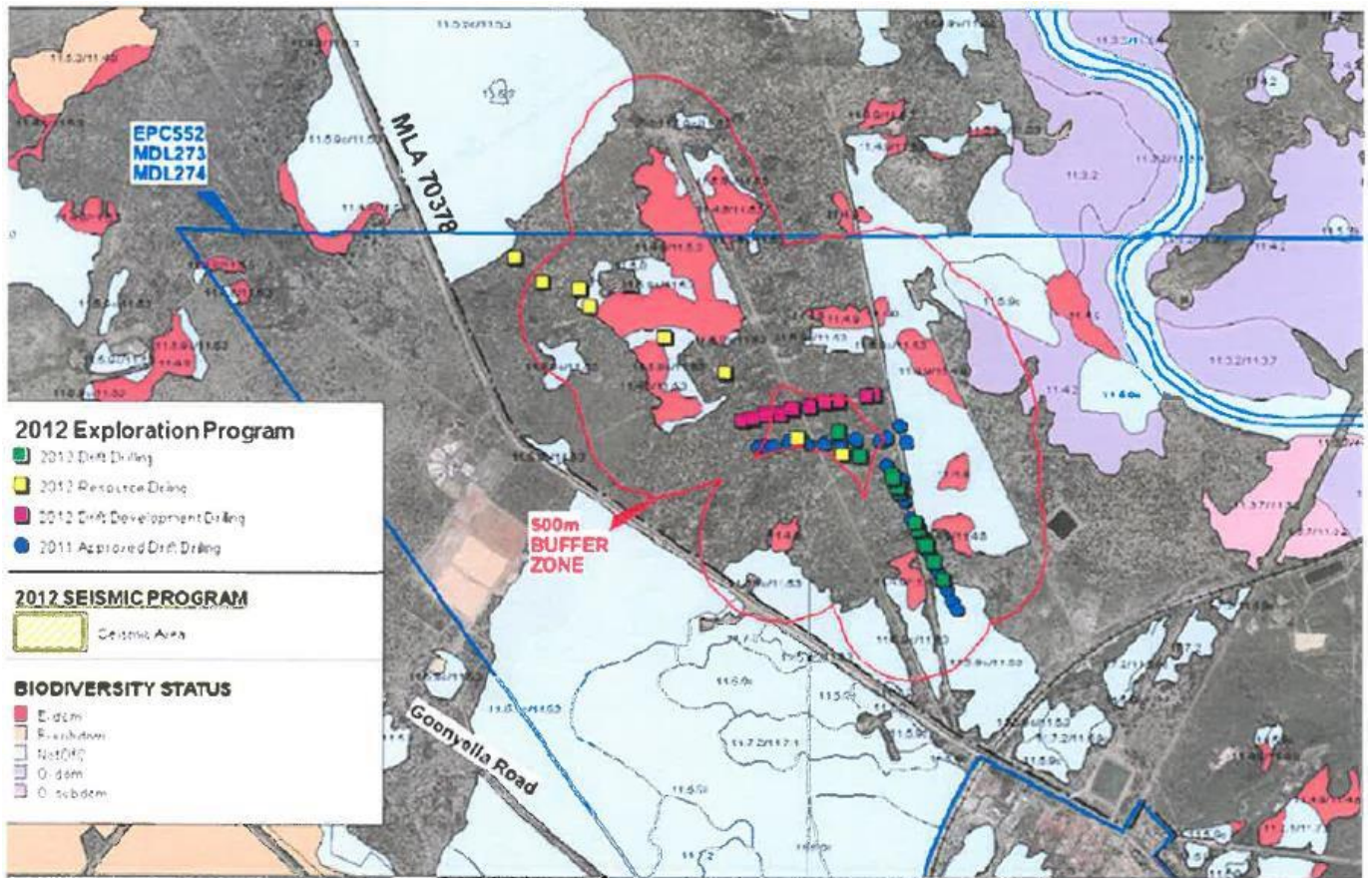
Attachment 1 – Small diameter hole set up A



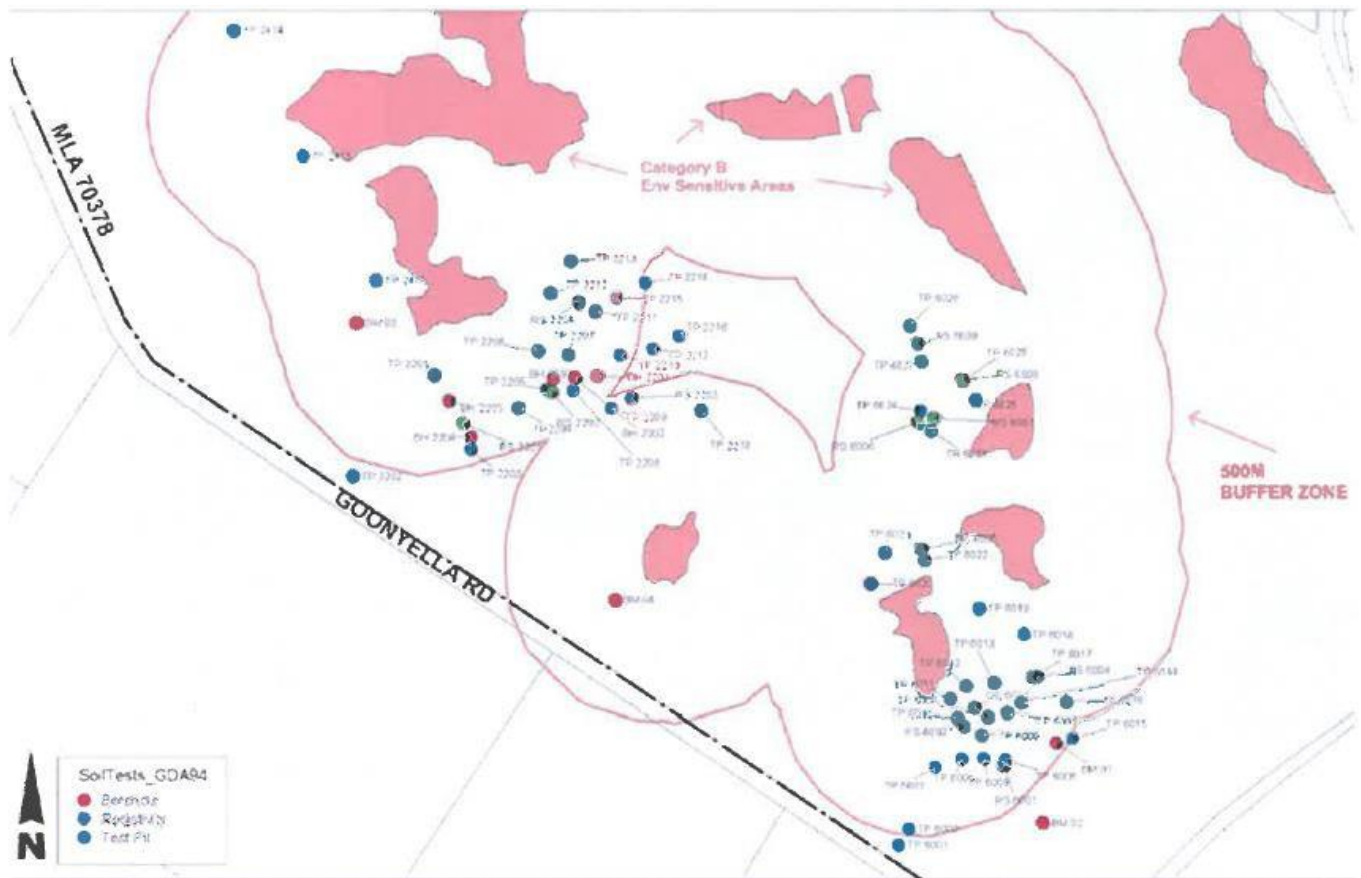
Attachment 1 – Small diameter hole set up B



Attachment 3 – Exploration Program 2012



Attachment 4 – Soil testing program 2012



END OF PERMIT