Queensland Government

Department of
Environment and Heritage Protection

08-JUN-2016

To: Lion Mining Pty Ltd
Locked Bag 2
THEODORE QLD 4719

Our reference: 220982

Application details

I refer to the application that was received by the administering authority on 07-JUN-2016.

Land description: Lot 1 on DW545 Tenth Ave CRACOW QLD 4719 Lot 1 Plan DW545, Lot 26 Plan DW554.

Decision

Your application has been approved and your environmental authority (reference EPPR00531713) is attached.

Should you have any further enquiries, please contact Veronica Lightfoot on telephone 1300 130 372 (option 4).

Yours sincerely

	08-JUN-2016
Signature	Date

Anthony Schmid
Department of Environment and Heritage Protection
Delegate of the administering authority
Environmental Protection Act 1994

Permit and Licence Management
Department of Environment and Heritage Protection
GPO Box 2454
BRISBANE QLD 4001
Phone: 1300 130 372
Fax: (07) 3330 5875
Email: palm@ehp.qld.gov.au
Website **www.ehp.qld.gov.au**
ABN 46 640 294 485

Enclosed

Permit - environmental authority (reference EPPR00531713)

Permit[1]

Environmental Protection Act 1994

Environmental authority

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

Permit[1] number: EPPR00531713

Environmental authority takes effect on 08-JUN-2016.

The anniversary date of this environmental authority remains 6th December. An annual return and the payment of the annual fee will be due each year on this date.

Environmental authority holder(s)

Name	Registered address
Lion Mining Pty Ltd	Level 4 345 Ann Street BRISBANE QLD 4001

Environmentally relevant activity and location details

Environmentally relevant activity(ies)	Location(s)
63-(1b)(i) Sewage treatment >100 to 1500EP - IT or IR	Lot 1 on DW545 Tenth Ave CRACOW QLD 4719 - Lot 1 Plan DW545 and Lot 26 Plan DW554

Additional information for applicants

Environmentally relevant activities

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

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

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

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

Contaminated land

It is a requirement of the EP Act that if an owner or occupier of land becomes aware a notifiable activity (as defined in Schedule 3 and Schedule 4) is being carried out on the land, or that the land has been, or is being, contaminated by a hazardous contaminant, the owner or occupier must, within 22 business days after becoming so aware, give written notice to the chief executive.



Signature

08-JUN-2016

Date

Anthony Schmid
Department of Environment and Heritage Protection
Delegate of the administering authority
Environmental Protection Act 1994

Enquiries:
Permit and Licence Management
Department of Environment and Heritage Protection
GPO Box 2454
BRISBANE QLD 4001
Phone: 1300 130 372
Fax: (07) 3330 5875
Email: palm@ehp.qld.gov.au

Obligations under the *Environmental Protection Act 1994*

In addition to the requirements found in the conditions of this environmental authority, the holder must also meet their obligations under the EP Act, and the regulations made under the EP Act. For example, the holder must comply with the following provisions of the Act:

- general environmental duty (section 319)
- duty to notify environmental harm (section 320-320G)
- offence of causing serious or material environmental harm (sections 437-439)
- offence of causing environmental nuisance (section 440)
- offence of depositing prescribed water contaminants in waters and related matters (section 440ZG)
- offence to place contaminant where environmental harm or nuisance may be caused (section 443)

Conditions of environmental authority

Location: Lot 1 on DW545 Tenth Ave CRACOW QLD 4719

Lot 1 Plan DW545 and Lot 26 Plan DW554

Relevant activity/ies:

63-(1b)(i) Sewage treatment >100 to 1500EP - IT or IR

The conditions of this environmental authority are the conditions of the attached Development Approval reference CG0169, as they related to the licensed activities, where any references to the holder of the development approval are taken to refer to the holder of this environmental authority.

END OF PERMIT

Attachments

Development Approval – CG0169

ENVIRONMENTAL PROTECTION ACT 1994

Queensland Government
Environmental Protection Agency
Queensland Parks and Wildlife Service

Gladstone District Office
PO Box 5065 GLADSTONE QLD 4680
Phone: (07) 4971 6500 Fax: (07) 4972 1993
www.env.qld.gov.au ABN: 87221158786

Licence No. CG0169 (with development approval)

Section 86 *Environmental Protection Act 1994*

This licence, issued under the Environmental Protection Act 1994, allows the administering authority to make conditions with regard to financial assurances and matters relating to an Integrated Environmental Management System (IEMS). The licence and its conditions must be considered in conjunction with any conditions imposed on your development approval granted under the Integrated Planning Act 1997 or its equivalent.

Under the provisions of the *Environmental Protection Act 1994* this licence is issued to:

Newcrest Mining Limited
Level 9, 600 St Kilda Road
MELBOURNE VIC 3004

in respect of carrying out the environmental relevant activity:

15(b) Sewage treatment - Operating a standard sewage treatment works having a peak design capacity to treat sewage of 100 or more equivalent persons but less than 1 500 equivalent persons

at the following place(s):

Lot 26 DW554 & Lot 1 DW545.

located at:

Tenth Avenue, CRACOW QLD 4719.

This licence is subject to the conditions set out in the attached schedules.

The anniversary date of this licence is **06 December**

This licence takes effect from **6 December 2002**.

Signed

22 September 2003
Date

Geoff Wilson
District Manager
Delegate of Administering Authority
Environmental Protection Act 1994

Note: This licence document is not proof of the current status of the licence. The current status of the licence may be ascertained by contacting the Environmental Protection Agency.

Schedule of conditions

The aforementioned description of the ERA for which this authority is issued is simply a restatement of the activity as prescribed in the legislation at the time of issuing this authority. Where there is any conflict between the above description of the ERA for which this authority is issued and the conditions as specified in this authority as to the scale, intensity or manner of carrying out of the ERA, then such conditions prevail to the extent of the inconsistency.

This authority incorporates the following schedules of conditions relevant to various issues:

- Schedule A - General Conditions
- Schedule H - Definitions
- Schedule I - Maps / Plans

Schedule A - General Conditions

There are no conditions prescribed for this Schedule.

END OF CONDITIONS FOR SCHEDULE A

Schedule H - Definitions

Words and phrases used throughout this licence or development approval are defined below:

Where a definition for a term used in this authority is sought and the term is not defined within this authority the definitions provided in the *Environmental Protection Act 1994*, its regulations, and Environmental Protection Policies shall be used.

Word Definitions

"administering authority" means the Environmental Protection Agency or its successor.

END OF CONDITIONS FOR SCHEDULE H

Schedule I - Maps / Plans

There are no attachments to this schedule.

END OF CONDITIONS FOR SCHEDULE I

END OF ENVIRONMENTAL AUTHORITY

Concurrence Agency Response

Section 3.3.16 and 3.3.18 *Integrated Planning Act 1997*

Applicant:	Newcrest Mining Limited
Assessment Manager Application number:	T.2751.13/02
EPA Development Application number:	CG0169DA
Date application received by EPA:	29 October 2002
Relevant Laws and Policies:	*Environmental Protection Act 1994* and subordinate legislation
Jurisdiction::	Item 6 of Schedule 2 of the *Integrated Planning Regulation 1998*

Development Description:

Carrying out of Environmentally Relevant Activity (ERA):

15(b) Sewage treatment - Operating a standard sewage treatment works having a peak design capacity to treat sewage of 100 or more equivalent persons but less than 1 500 equivalent persons

at the following place(s):

Lot 26 DW554, Lot 1 DW545

located at:

Tenth Avenue, CRACOW QLD 4719

Type of development

Material change of use of premises is:

- the start of a new use of the premises

Response to Development Application

The Environmental Protection Agency, acting as a concurrence agency under the *Integrated Planning Act 1997*, provides its response to the application detailed above.

The concurrence agency response is that conditions must attach to any development approval

Reasons for inclusion of development conditions or refusal

In accordance with section 3.3.18(7) of the *Integrated Planning Act 1997* and section 27B of the *Acts Interpretation Act 1954*, a concurrence response must include reasons for a refusal or for the inclusion of development conditions. The Environmental Protection Agency is recognised as a concurrence agency under the *Integrated Planning Amendment Regulation (No. 1) 1998* for the protection of the environment against the release or potential release of contaminants that will or may cause environmental harm. Development conditions placed on the development approval for the environmentally relevant activity are in accordance with section 79 of the *Environmental Protection Act 1994* ('the *EP Act*').

The Environmental Protection Agency concurrence agency conditions for this proposed development that are contained within this response, are required in accordance with section 92 of the *EP Act* and are relevant to the object and policies pertaining to the *EP Act*.

Additional comments or advice about the application

Nil

Additional information for applicants

This concurrence response pursuant to section 79 the EP Act applies only to the environmentally relevant activity(ies) component of the development and does not remove the need to obtain any further approval for this development which may be required pursuant to this or other legislation, both State and Commonwealth. Applicants are advised to check with all relevant statutory authorities for such approvals as may be required.

It is a requirement of the *Environmental Protection Act 1994* that if the owner or occupier of this site becomes aware a Notifiable Activity (as defined under schedule 2 of the *Environmental Protection Act 1994*) is being carried out on this land or that the land has been affected by a hazardous contaminant, they must, within 30 days after becoming aware the activity is being carried out, give notice to the Environmental Protection Agency. A list of Notifiable Activities is provided within Schedule 2 of the *Environmental Protection Act 1994*.

Signed

6 December 2002
Date

Andrew Thompson
District Manager
Delegate of Administering Authority
Environmental Protection Act 1994

Conditions of the development approval

As part of the concurrence agency response the following schedules of development conditions are to be attached to the development approval:

The aforementioned description of the environmentally relevant activity (ERA) for which this development approval is issued is simply a restatement of the activity as prescribed in the legislation at the time of issuing this development approval. Where there is any conflict between the above description of the ERA for which this development approval is issued and the conditions as specified in this development approval as to the scale, intensity or manner of carrying out of the ERA, then such conditions prevail to the extent of the inconsistency.

This development approval authorises the ERA. It does not authorise environmental harm unless a concurrence agency condition within this development approval explicitly authorises that harm. Where there is no condition or the development approval is silent on a matter, the lack of a condition or silence shall no be construed as authorising harm.

- Schedule A - Activity
- Schedule B - Air
- Schedule C - Water
- Schedule D - Noise
- Schedule E - Waste
- Schedule F - Land
- Schedule G - Community
- Schedule H - Definitions
- Schedule I - Maps / Plans

Schedule A - Activity

Prevent and /or minimise likelihood of environmental harm

(A1-1) In carrying out the environmentally relevant activities, you must take all reasonable and practicable measures to prevent and / or to minimise the likelihood of environmental harm being caused. Any environmentally relevant activity, that, if carried out incompetently, or negligently, may cause environmental harm, in a manner that could have been prevented, shall be carried out in a proper manner in accordance with the conditions of this approval.

NOTE: This approval authorises the environmentally relevant activity. It does not authorise environmental harm unless a condition contained within this approval explicitly authorises that harm. Where there is no condition or the approval is silent on a matter, the lack of a condition or silence shall not be construed as authorising harm.

Maintenance of measures, plant and equipment

(A2-1) The holder must:

- install all measures, plant and equipment necessary to ensure compliance with the conditions of this environmental authority; and
- maintain such measures, plant and equipment in a proper and efficient condition; and
- operate such measures, plant and equipment in a proper and efficient manner.

Site based management plan

(A3-1) From commencement of the activity, a Site Based Management Plan (SBMP) must be implemented. The SBMP must identify all sources of environmental harm, including but not limited to the actual and potential release of all contaminants, the potential impact of these sources and what actions will be taken to prevent the likelihood of environmental harm being caused. The SBMP must also provide for the review and 'continual improvement' in the overall environmental performance of all Environmentally Relevant Activities that are carried out.

The site based management plan must address the following matters:

- Environmental commitments - a commitment by senior management to achieve environmental goals.
- Identification of environmental issues and potential impacts.
- Control measures for routine operations to minimise likelihood of environmental harm.
- Contingency plans and emergency procedures for non-routine situations.
- Organisational structure and responsibility.
- Effective communication.
- Monitoring of the contaminant releases.
- Conducting environmental impact assessments.
- Staff training.
- Record keeping.
- Periodic review of environmental performance and continual improvement.

Records

(A5-1) Record, compile and keep all monitoring results required by this document and present this information to the administering authority when requested, in a specified format.

Annual monitoring report (Sewage treatment)

(A8-1) An annual monitoring report must be provided to the administering authority with the annual return. This report shall include but not be limited to:

- a summary of the previous twelve (12) months' monitoring results obtained under any monitoring programs required under this authority and, in graphical form showing relevant limits, a comparison of the previous twelve (12) month's monitoring results to both this authority limits and to relevant prior results;
- an evaluation/explanation of the data from any monitoring programs; and
- a summary of any record of quantities of releases required to be kept under this authority; and
- a summary of the record of equipment failures or events recorded for any site under this authority; and
- an outline of actions taken or proposed to minimise the environmental risk from any deficiency identified by the monitoring or recording programs; and
- the number of domestic tenements newly connected to the sewage treatment works during the previous twelve (12) months; and
- the progressive total number of connections; and
- a summary of any trade waste agreements entered into or amended during the year, including the nature of the industry.

END OF CONDITIONS FOR SCHEDULE A

Schedule B - Air

Dust nuisance

(B2-2) Excedence of any of the following levels when measured at any dust sensitive place is an environmental nuisance for the purposes of condition B2-1.

- Dust deposition of 120 milligrams per square metre per day, when monitored in accordance with Australian Standard AS 3580.10 of 1991; OR
- A concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (µm) (PM10) suspended in the atmosphere of 150 micrograms per cubic metre over a 24 hour averaging time, at a dust sensitive place downwind of the site, when monitored in accordance with:
  - Australian Standard AS 3580.9.6 'Ambient air - Particulate matter - Determination of suspended particulate PM10 high-volume sampler with size-selective inlet - Gravimetric method'; or
  - any alternative method of monitoring PM10 which may be permitted by the 'Air Quality Sampling Manual' as published from time to time by the administering authority.

END OF CONDITIONS FOR SCHEDULE B

Schedule C - Water

There are no conditions prescribed for this Schedule.

END OF CONDITIONS FOR SCHEDULE C

Schedule D - Noise and vibration

There are no conditions prescribed for this Schedule.

END OF CONDITIONS FOR SCHEDULE D

Schedule E - Waste

There are no conditions prescribed for this Schedule.

END OF CONDITIONS FOR SCHEDULE E

Schedule F - Land

Land disposal

(F2-1) The only contaminants permitted to be released to land are Treated effluents and stormwater to the areas shown in Lot 1 DW545 in compliance with the limits levels stated in Table 1 of the Land Schedule and the conditions of this authority.

Schedule F - Table 1 (Release limits - 'Land')

	Release Limit				
Quality characteristics	Minimum	50th Percentile	80th Percentile	Maximum	Median
pH				6.5 - 8.5	
BOD (5day)				20mg/L	
Suspended Solids				30mg/L	
Thermotolerant Coliforms				1000cfu/100ml	

(F2-2) The irrigation of effluent must be carried out in a manner such that:

- vegetation is not damaged;
- soil erosion and soil structure damage is avoided;
- there is no surface ponding of effluent;
- percolation of effluent beyond the plant root zone is minimised;
- the capacity of the land to assimilate nitrogen, phosphorus, salts, organic matter as measured by oxygen demand and water is not exceeded; and
- the quality of ground water is not adversely affected.

(F2-3) Notices must be prominently displayed on any effluent irrigation area warning the public that the area is irrigated with effluent and not to use or drink the effluent. These notices must be maintained in a visible and legible condition.

(F2-4) Conduct and keep records of any monitoring programs of contaminant releases from the treatment plant at the monitoring points, frequency, and for the parameters specified in Schedule F - Table 2.

(F2-5) Monitoring must be undertaken and records kept of a monitoring program of contaminant releases to the irrigation area at the monitoring points, frequency, and for the parameters specified in Schedule F - Table 2.

Schedule F - Table 2 (Monitoring program)

Monitoring point	Quality characteristics	Units	Frequency
W1*	Thermotolerant Coliforms	cfu/ml	Monthly
W1	pH		Monthly
W1	BOD (5 day)	mg/L	Monthly
W1	Suspended Solids	mg/L	Monthly

(F2-7) When conditions prevent the irrigation of treated effluent to land (such as during or following rain events), the contaminants must be directed to a wet weather storage or alternative measures must be taken to store/lawfully dispose of effluent (such as wet weather storage or tanking off site to another treatment plant or sewer). A record must be kept of any removal or discharge off site, including destination, transporter, dates and volumes.

* W1 being a point at which a representative sample can be taken of the irrigated effluent to be disposed of to Lot 1 DW545.

END OF CONDITIONS FOR SCHEDULE F

Schedule G - Community

Complaint response

(G1-1) All complaints received must be recorded including investigations undertaken, conclusions formed and action taken. This information must be made available to the administering authority on request.

END OF CONDITIONS FOR SCHEDULE G

Schedule H - Definitions

Words and phrases used throughout this licence or development approval are defined below:
Where a definition for a term used in this approval is sought and the term is not defined within this approval the definitions provided in the *Environmental Protection Act 1994*, its regulations, and Environmental Protection Policies shall be used.

Word Definitions

"administering authority" means the Environmental Protection Agency or its successor.

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

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

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

"this authority" means this environmental authority/development approval.

"authority" means level 1 licence (without development approval), or level 1 approval (without development approval), or level 2 approval (without development approval) under the *Environmental Protection Act 1994*.

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

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

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

- a house, unit, motel, nursing home or other building or part of a building;
- a caravan, mobile home or other vehicle or structure on land;
- a water craft in a marina.

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

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

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

"protected area" means -

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

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

"mg/L" means milligrams per litre.

"annual return" means the return required by the annual notice (under section 316 of the Environment Protection Act, 1994) for the section 86(2) licence that applies to the development approval.

END OF DEFINITIONS FOR SCHEDULE H

Schedule I - Maps / Plans

END OF CONDITIONS FOR SCHEDULE I

END OF CONCURRENCE AGENCY RESPONSE