



## environmental affairs

Department:  
Environmental Affairs  
**REPUBLIC OF SOUTH AFRICA**

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**LICENCE NUMBER** : 12/9/11/L955/8

**CLASS** : H:H (STORAGE OF HAZARDOUS WASTE IN  
LAGOONS, REUSE OF GENERAL AND HAZARDOUS  
WASTE AND WASTEWATER TREATMENT WORKS)

**WASTE MANAGEMENT FACILITY** : BLACK MOUNTAIN MINING WASTE MANAGEMENT  
FACILITIES

**LOCATION** : PORTION 1 OF BLOEMHOEK 61, PORTION 1 & 4 OF  
GAMS 60 AND AROAMS 57 RE IN AGGENEYS,  
NAMAKWA DISTRICT MUNICIPALITY, NORTH CAPE  
PROVINCE.

**LICENCE HOLDER** : BLACK MOUNTAIN MINING (PTY) LTD

**ADDRESS** : PRIVATE BAG X 01, AGGENEYS, 8893

**CONTACT PERSON** : MR. N. WILLIAMS

**CONTACT DETAILS** : TEL: (054) 983 9256, FAX: (054) 983 9353

### **WASTE MANAGEMENT LICENCE IN TERMS OF SECTION 49(1)(a) OF THE NATIONAL ENVIRONMENTAL MANAGEMENT: WASTE ACT, 2008 (ACT NO. 59 OF 2008)**

In terms of the National Environmental Management: Waste Act, 2008 (Act No.59 of 2008) read with the Environmental Impact Assessment Regulations, 2010, published in Government Notice No.R.543 of 18 June 2010 (the Regulations), the Deputy Director General: Chemicals and Waste Management, acting under delegation, hereby grants Black Mountain Mining (Pty) Ltd a Waste Management Licence for the following waste management activities as listed in Category B of Government Notice No 718 dated 3<sup>rd</sup> July 2009 and Category A and B of Government Notice No 921 dated 29 November 2013:



**Category B, GN 718**

- (7) The treatment of effluent, wastewater or sewage with an annual throughput capacity of 15 000 cubic metres or more.
- (11) The construction of facilities for activities listed in Category B of this Schedule (not in isolation to associated activity).

**Category A, GN 921**

- (2) The sorting, shredding, grinding, crushing, screening or bailing of general waste at a facility that has an operational area in excess of 1000m<sup>2</sup>.

**Category B, GN 921**

- (1) The storage of hazardous waste in lagoons excluding storage of effluent, wastewater or sewage.
- (2) The reuse or recycling of hazardous waste in excess of 1 ton per day, excluding reuse or recycling that takes place as an integral part of an internal manufacturing process within the same premises.

In this Licence, "Director" means the Director: Licensing of the National Department of Environmental Affairs who may be contacted at the address below:

Director: Licensing

Department of Environmental Affairs

Private Bag X 447

**PRETORIA**

0001

In this Licence, "Director: RPW" means the Director: Resource Protection and Waste of the National Department of Water Affairs (DWA) who may be contacted at the address below:

Director: Resource Protection and Waste

Department of Water Affairs

Private Bag X 313

**PRETORIA**

0001



1. SITE DETAILS

1.1 LOCATION

1.1.1 This Licence authorises the construction of a wastewater treatment works, storage of hazardous waste in lagoons and reuse and recycling of hazardous waste on Portion 1 of Bloemhoek 61, Portion 1 & 4 of Gams 60 and Aroams 57 RE in Aggeneys within the jurisdiction of Namakwa District Municipality in North Cape Province (hereafter referred to as "the Site").

1.1.2 The location of the Site must be according to the co-ordinates indicated on the licence application form indicated in Annexure III hereinafter

1.2 DOCUMENTS CONSIDERED

1.2.1 The Environmental and Social Impact Assessment Report for Gamsberg Zinc Mine and Associated Infrastructure in Northern Cape compiled by ERM Southern Africa (Pty) Ltd , dated June 2013 and hereinafter referred to as "Report"; and

1.2.2 The Record of Decision issued by the Department of Water Affairs dated 08 October 2013; and

1.2.3 The Waste Management Application Form dated 26 June 2012

LICENCE CONDITIONS

1.3 SITE SECURITY AND ACCESS CONTROL

1.3.1 The Licence Holder must ensure effective access control of the Waste Management Site to prevent unauthorised entry. Weatherproof, durable and legible signs in at least three official languages applicable in the area must be displayed at each entrance to the site. The signs must indicate the risks involved in entering the Site, warn against the use of water containing waste and must include the name, address and telephone number of the Licence Holder and the person responsible for the operation of the Site.



- 1.3.2 The Licence Holder must prevent storage, reuse, recycling and treatment of waste that is not authorised at the Site.

## 2. MANAGEMENT

### 2.1 GENERAL MANAGEMENT

- 2.1.1 The activities shall be managed and operated:

- a) In accordance with a documented Environmental Management System (EMS), that, *inter alia*, identifies and minimises the risk of pollution, including those arising from operations, maintenance, accidents, incidents and non-conformance as well as those drawn to the attention of the Licence Holder as a result of complaints;
- b) In accordance with conditions of this Licence and any other written instruction by the Director; and
- c) By an adequate, competent staff complements.

- 2.1.2 Any persons having duties that are or may be affected by this Licence must have convenient access to a copy thereof, which copy must be kept at or near the place where those duties are carried out.

- 2.1.3 A copy of this Licence may be published by the Department, in its discretion, on any website or other media.

### 2.2 DESIGNATION OF WASTE MANAGEMENT CONTROL OFFICER

- 2.2.1 A Waste Management Control Officer (WMCO) must be designated to monitor and ensure compliance and correct implementation of all mitigation measures and provisions as stipulated in the licence and standard operation procedures. The WMCO must:

- (a) Report any non-compliance with any Licence conditions or requirements or provisions of NEM:WA to the licensing authority.

- 2.2.2 The duties and responsibility of the WMCO should not be seen as exempting the Licence Holder from any other legal obligations in terms of the NEM:WA



2.3 EMERGENCY PREPAREDNESS PLAN

2.3.1 The Licence Holder must maintain and implement an emergency preparedness plan and review it annually when conducting audit, after each emergency incident and major accident. The plan must, amongst others, include measures to address:

- a) Power failure;
- b) Equipment malfunction;
- c) Site fires;
- d) Spillage (on Site);
- e) Natural disasters such as floods; and
- f) The plan must include contact details of the nearest police station, ambulance services and the emergency centre.

3. PERMISSIBLE WASTE

3.2 Any portion of the Site, which has been constructed or developed according to condition 4 below, may be used for the storage of hazardous waste in lagoons, reuse, recycling of hazardous waste and treatment of effluent, wastewater or sewerage with an annual throughput capacity of more than 15 000 cubic metres.

3.3 The classification, acceptance and disposal criteria as listed in the latest edition of the document "Minimum Requirements for Handling, Classification and Disposal of Hazardous Waste, Waste Management Series, Department of Water Affairs and Forestry" or its successor must be conformed to.

4. CONSTRUCTION OF THE FACILITY

4.1 The construction of the Site must be according to the engineering drawing (site plan) that is approved by a registered professional engineer as compliant with recognised civil engineering standards.

4.2 The site plan must only be changed under the supervision of a registered professional engineer.



- 4.3 The areas used for sorting of general waste and treatment of wastewater must have firm and impermeable base to prevent contamination of ground water.
- 4.4 The Licence Holder must ensure that all facilities used as reagent storage tanks and reaction units are bunded. These bunded areas must be built to handle the total capacity of the relevant tanks/ units and must be provided with sumps and pumps to return any spilled material back into the system.
- 4.5 The licence Holder must prior to the development of the sites submit the design drawings ,confirming the decisions made in the meeting on 09 July 2013 with the Department of Water Affairs Engineer as indicated in the minutes of the meeting by Vedanta. Construction of the seepage collection ponds, pollution control dams, sewage collection sump and the wastewater treatment works may not commence without approved designs from the Responsible Authority.
- 4.6 The waste storage areas must have firm and impermeable floors to prevent contamination of groundwater.
- 4.7 After construction of the site or further development within the site ,the Licence holder shall notify the Responsible Authority thereof and the person referred to in condition 4.2 shall submit a certificate or alternatively a letter to the Responsible Authority that the construction of the site or further development within the site, as proposed by the Licence Holder and approved by the Responsible Authority ,is in accordance with recognised civil engineering practice before disposal may commence on the site. If the Responsible Authority is satisfied with the construction of the site or any further development within the site and has given written permission; the licence Holder may use the site or any further development within the site for the disposal of waste.
- 4.8 The Licence Holder must follow acceptable construction, maintenance and operational practice to ensure the consistence, effective and safe performance of any wastewater storage dam.
- 4.9 All reasonable measures must be taken to provide for mechanical, electrical or operational failures and malfunction of any wastewater storage dam.



- 4.10 The Licence holder must routinely inspect the infrastructure to assure that no spillages/leakage could result in soil and groundwater contamination
- 4.11 The storing of wastewater must not impact on a water resource or on any other person's water use, property or land and must not be detrimental to the health and safety of the public in the vicinity of the activity.
- 4.12 The effluent dams and ponds must be located
- a) outside of a watercourse
  - b) above the 100 year flood line, or alternatively ,more than 100 meters from the edge of a water resource or a borehole which is utilised for drinking water or stock watering whichever is further; and
  - c) on land that is not, or does not overlie, a Major Aquifer.
- 4.13 Any development occurs within 1:100 year flood line and/or within 500m from the boundary of a wetland would require a water use licence in terms of section 21 of the National Water Act, 1998.

## 5. GENERAL IMPACT MANAGEMENT AND OPERATION

### 5.1 IMPACT MANAGEMENT

- 5.1.1 Waste which is not permissible on Site must be dealt with according to relevant legislation or the Department's policies and practices.
- 5.1.2 The Licence Holder must prevent spillages; where they happen nonetheless, condition 2.3.1 above shall apply and the Licence Holder must ensure the effective and safe cleaning of such spillages.
- 5.1.3 The Licence Holder must prevent the occurrence of nuisance conditions or health hazards.
- 5.1.4 The Licence Holder must ensure that all wastes collected are sent to waste management facilities licenced to handle such wastes.



- 5.1.5 The Licence Holder must ensure that all personnel who work with hazardous waste are trained to deal with these potential hazardous situations so as to minimise the risks involved. Records of training and verification of competence must be kept by Licence Holder.
- 5.1.6 The treatment of effluent and wastewater must not impact on a water resource or on any other person's water use, property or land and must not be detrimental to the health and safety of the public in the vicinity of the activity.
- 5.1.7 The Licence Holder must ensure that emissions from the activities shall be free from odour at levels likely to cause annoyance.
- 5.1.8 The pipelines used for the conveyance of water containing waste must be painted in a conspicuous colour or manufactured of a coloured material distinctly different from the colour of the pipes in which drinking water is flowing to avoid the possibility of any cross-connection of the different pipelines.
- 5.1.9 All stop-valves and taps on the pipelines conveying water containing waste must be of a type that can be opened and closed by means of a loose wrench. The wrench must be in the safe keeping of the Licence Holder or delegated member of the staff to prevent unauthorised use thereof.
- 5.2 OPERATION
- 5.2.1 The Licence Holder must ensure that the wastewater treatment facility operates within its design parameters at all times.
- 5.2.2 The Licence Holder must take all reasonable steps to ensure that the integrity of the waterproof base and infrastructure of waste management facilities are routinely monitored and corrective action must be taken before containment integrity is breached.
- 5.2.3 The Licence Holder must ensure that the treated sludge adheres to "the Guidelines for the Utilisation and Disposal of Wastewater Sludge", Water Research Commission Reports, Volumes 1-5 published by the Department of Water Affairs and Forestry, dated March 2008.





- 5.2.4 The Licence Holder must ensure that non-biodegradable solids and the sludge disposed of at a Waste Management Facility licenced to accept such wastes.
- 5.2.5 The Licence Holder must ensure that the treated effluent that is discharged into water course complies with the General Standards, as published by the Department of Water Affairs in Government Notice 991 of 18 May 1984 or its successor.
- 5.2.6 No effluent must be discharged into any storm water drain or furrow, whether by commission or by omission.
- 5.2.7 Any development which occurs within 1:100 year flood line and/or within 500m from the boundary of a wetland would require a water use licence in terms of section 21 of the National Water Act, 1998.

## 6. WATER QUALITY MANAGEMENT

- 6.1.1 Works shall be constructed and maintained on a continuous basis by the licence holder to divert and drain from the site in legal manner ,all runoff water arising on land to divert from the site in a legal manner, all runoff water arising on land adjacent to the site, which could be expected as a result of the estimated maximum precipitation during a period of 24 hours with an average frequency of once in fifty (50) years (herein after referred to as the "estimated maximum precipitation").such works shall under the said rainfall event ,maintain a freeboard of half a metre.
- 6.1.2 Works shall be constructed and maintained on a continuous basis by the Licence Holder to divert and drain from the working face of the site, all runoff water arising on the site, which could be expected as a result of the estimated maximum precipitation and to prevent such runoff water from coming into contact with leachate from the site .such works shall, under the said rainfall event, maintain a freeboard of half a meter.
- 6.1.3 Runoff water referred to in condition 6.1.2 shall comply with the quality requirement of the general and special standard, as published in Government notice 991 of 18 May 1984, or with such quality requirements as may from time to time be determined by the minister and shall be drained from the



site in a legal manner

- 6.1.4 Runoff water referred to in condition 6.1.2 which does not comply with the quality requirements applicable in terms of condition 6.1.3 and all leachate from the Site shall ,by means of works which shall be constructed and maintain on a continuous basis by the Licence Holder
- a) be discharged into any convenient sewer if accepted by the authority in control of that sewer ;and/or
- b) be treated to comply with the aforementioned standard and discharged in a legal manner, and/or be evaporated in dams.

## 7. MONITORING

### 7.1 MONITORING METHODS AND PARAMETERS

- 7.1.1 The Licence holder must carry out all tests required in terms of this Licence in accordance with published laboratory analysis methods or those prescribed by and obtainable from the South African Bureau of Standards (SABS), referred to in the Standards Act, 2008 (Act 08 of 2008).

- 7.1.2 The Licence Holder may only use another method of analysis if approved by the Department.

### 7.2 WATER QUALITY MONITORING

- 7.2.1 Surface water monitoring shall be performed in all storm water drains on and adjacent to the Site at the locations selected in conjunction with the Department of Water Affairs and at such a frequency as determined by the Responsible Authority.

- 7.2.2 The in-stream water quality must be analysed by the Licence Holder on a weekly basis, both upstream and downstream of the discharge point for the following parameters:

Faecal Coliforms

Chemical Oxygen Demand

pH

Ammonia

Phosphates



Suspended Solids

Electrical Conductivity

Nitrates

*E.coli*

Ortho Phosphates

- 7.2.3 Works shall be constructed and maintained on a continuous basis by the Licence Holder to divert and drained from the site in a legal manner, all runoff water arising on land adjacent to the site ,which could be expected as a result of the estimated maximum precipitation during a period of 24 hours with an average frequency of once in fifty years (50) (herein after referred to as the "estimated maximum precipitation").such works shall under the said rainfall event ,maintain a freeboard of half a metre.
- 7.2.4 Works shall be constructed and maintained on a continuous basis by the licence holder to divert and drain from the working face of the site, all runoff arising on the site, which could be expected as result of the estimated maximum precipitation and to prevent such runoff water from coming into contact with leached from the site. Such works shall, under the said rainfall event, maintain a freeboard of half a metre.
- 7.2.5 Runoff water referred to in condition 7.2.4 shall comply with the quality requirements of the general and special standard, as published in Government Notice 991 of 18 May 1984, or with such quality requirements as may from time to time be determined by the minister and shall be drained from the site in a legal manner.
- 7.2.6 Runoff water referred to in condition 7.2.4 shall comply with the quality requirements applicable in term of condition 7.2.5 and all leachate from the site shall, by means of works which shall be constructed and maintained on a continuous basis by the Licence holder.
- a) be discharged into any convenient sewer if acceptance by the authority in control of the sewer; and/or
  - b) be treated to comply with the aforementioned standard and discharged in a legal manner.
- 7.2.7 The Licence Holder must ensure that the waste water generated at the wash bay goes through an oil trap and that there is no escape of contaminants into the environment.



- 7.2.8 A monitoring boreholes network for the site shall be established and maintained by the Licence holder according to the Groundwater monitoring plan indicated in the Final Environmental and Social impact assessment (ESIA) Report for the Gamsberg Zinc Mine and Associated Annex G.2 by ERM dated April 2013 and to the satisfaction of the Responsible Authority so that unobstructed sampling, as required in terms of this Licence, can be undertaken.
- 7.2.9 Monitoring boreholes shall be equipped with lockable caps. The Responsible Authority reserves the right to take water samples at any time and to analyse these samples or have them analysed.
- 7.3 BACKGROUND MONITORING
- 7.3.1 Samples from the boreholes where the groundwater in the borehole is at an expected higher hydraulic pressure level than the hydraulic pressure level of the groundwater under the Site, shall be considered as background monitoring. Background groundwater monitoring shall be conducted during each monitoring occasion in terms of condition 7.4 and 7.5 for the water quality variables listed in Annexure IV.
- 7.4 DETECTION MONITORING
- 7.4.1 Monitoring shall be conducted bi-annually for the water variables listed in Annexure V.
- 7.5 INVESTIGATIVE MONITORING
- 7.5.1 If, in the opinion of the Director or Director: RPW, a water quality variable at any monitoring point referred to in condition 7.4 above shows an increasing trend, the Licence Holder must initiate a monthly monitoring programme for the water quality variables listed in Annexure IV.
- 7.5.2 If, in the opinion of the Responsible Authority, groundwater and/or surface water pollution have occurred or may possibly occur, the Licence holder shall Conduct the necessary investigation and implement monitoring and rehabilitation measures which shall be to the satisfaction of the Responsible Authority



## 8 INVESTIGATIONS

- 8.1 If, in the opinion of the Director, environmental pollution, nuisances or health risks may be or are occurring on the Site, the Licence Holder must initiate an investigation into the cause of the problem or suspected problem.
- 8.2 If, in the opinion of the Director and/or Director: RPW, water pollution may be or is occurring the Licence Holder must initiate an investigation into the cause of the problem or suspected problem. Such investigation must include the monitoring of the water quality variables, at those monitoring points and such frequency as may be specified by the Director: RPW.
- 8.3 Should the investigation carried out as per conditions 8.1 and 8.2 above reveal any unacceptable levels of pollution, the Licence Holder must submit mitigation measures to the satisfaction of the Director.

## 9 RECORDS

- 9.1 The Licence Holder must keep records and update all the information referred to in Annexure II and submit this information to the Director on an annual basis.
- 9.2 All records required or resulting from activities required by this Licence must:
- a) Be legible;
  - b) Be made as soon as reasonably practicable and should form part of the external audit report;
  - c) If amended, be amended in such a way that the original and any subsequent amendments remain legible and are easily retrievable; and
  - d) Be retained in accordance with documented procedures.
- 9.3 Records demonstrating compliance with condition 2.1.1 must be maintained for five years.



## 10 REPORTING

- 10.1 The Licence Holder must, within 24 hours, notify the Director of the occurrence or detection of any incident on the Site, or incidental to the operation of the site, which has the potential to cause, or has caused pollution of the environment, health risks, nuisance conditions or water pollution.
- 10.2 The Licence Holder must, within 14 days, or a shorter period of time, if specified by the Director from the occurrence or detection of any incident referred to in condition 10.1, submit an action plan, which must include a detailed time schedule, and resource allocation signed off by top management, to the satisfaction of the Director and/or the Director: RPW of measures taken to-
- a) Correct the impact resulting from the incident;
  - b) Prevent the incident from causing any further impact; and
  - c) Prevent a recurrence of a similar incident.
- 10.3 In the event that measures have not been implemented within 21 days of the incident to address impacts caused by the incident referred to in condition 10.1, or measures which have been implemented are inadequate, the Director may implement the necessary measures at the cost and risk of the Licence Holder.
- 10.4 The Licence Holder must keep an incident report and complaints register, which must be attached available to the external audit report, and made available to the Departmental auditors.
- 10.5 The Department must be notified without delay in the case of the following:
- a) Any malfunction, breakdown or failure of equipment or techniques, accident or fugitive emission which has caused, is causing or may cause significant pollution;
  - b) The breach of this Licence; and
  - c) Any significant adverse environmental and health effects.
- 10.6 The Department must be notified within 14 days of the following changes:
- a) Licence Holder's trading name, registered name or registered office address;
  - b) Particulars of the Licence Holder's ultimate holding company (including details of an ultimate holding where a Licence Holder has become a subsidiary; and



- c) Steps taken with a view to the Licence Holder , or any one of them, going into bankruptcy, entering into arrangement with creditors, or ,in the case of them being in a partnership, dissolving the partnership.

- 10.7 Each external audit report referred to in condition 11.2 below must be submitted to the Director within 30 days from the date on which the external auditor finalised the audit.

## 11 AUDITING

### 11.1 INTERNAL AUDITS

- 11.1.1 Internal audits must be conducted annually by the Licence Holder and on each audit occasion an official report must be compiled by the relevant auditor to report the findings of the audits, which must be made available to the external auditor specified in condition 11.2.1.

### 11.2 EXTERNAL AUDITS

- 11.2.1 The Licence Holder must appoint an independent external auditor to audit the site biennially and this auditor must compile an audit report documenting the findings of the audit, which must be submitted by the Licence Holder according to condition 9.7, above.

- 11.2.2 The audit report must:

- a) Specifically state whether conditions of this licence are adhered to;
- b) Include an interpretation of all available data and test results regarding the operation of the site and all the impacts on the environment;
- c) Specify target dates for the implementation of the recommendations by the Licence Holder to achieve compliance;
- d) Contain recommendations regarding non-compliance or potential non-compliance and must specify target dates for the implementation of the recommendations by the Licence Holder and whether corrective action taken for the previous audit non conformities was adequate; and
- e) Show monitoring results graphically and conduct trend analysis.



11.3 DEPARTMENTAL AUDITS AND INSPECTIONS

- 11.3.1 The Department reserves the right to audit and/or inspect the Site without prior notification at any time and at such frequency as may be determined by the Director.
- 11.3.2 The Licence Holder must make any records or documentation available to the Director upon request, as well as any other information he/she may require.

12 LEASING AND ALIENATION OF THE SITE

- 12.1 Should the Licence Holder want to alienate or lease the site, he/she shall notify the Director in writing of such an intention at least 120 days prior to the said transaction for approval.
- 12.2 Should the approval be granted, the subsequent Licence Holder shall remain liable for compliance with all Licence conditions.

13 TRANSFER OF WASTE MANAGEMENT LICENCE

- 13.1 Should the Licence Holder want to transfer the Licence, he/she must apply in terms of Section 52 of the National Environmental Management: Waste Act, 2008 (Act No 59 of 2008).
- 13.2 Any subsequent Licence Holder shall be bound by conditions of this Licence.

14. GENERAL

- 14.1 Should the Licence Holder be notified by the Minister in writing of a suspension of the licence pending any appeals decision, you may not commence with the activities licenced by the Minister.
- 14.2 After an appeal period has expired and no good cause to extend the appeal period has been submitted, the activity may commence provided a notice has been submitted to the Department. The notice must include a date on which it is anticipated that the activity will commence.
- 14.3 This Licence shall not be transferable unless such transfer is subject to condition 13.1





- 14.4 This Licence shall not be construed as exempting the Licence Holder from compliance with the provisions of the National and Provincial Legislation and any relevant Ordinance, Regulation, By-laws and relevant National Norms and Standards.
- 14.5 Transgression of any condition of this Licence could result in the Licence being withdrawn by the Department.
- 14.6 Non-compliance with a condition of this license may result in criminal prosecution or other actions provided for in Section 67(1) of the National Environmental Management: Waste Act, 2008.
- 14.7 In terms of section 28 and 30 of the National Environmental Management Act No. 107 of 1998, and section 19 and 20 of the National Water Act No. 36 of 1998, any costs incurred to remedy environmental damage must be borne by the person responsible for the damage. It is therefore imperative that the Licence Holder reads through and understands the legislative requirements pertaining to the project. It is the Applicant's responsibility to take reasonable measures which include informing and educating contractors and employees about environmental risks of their work and training them to operate in an environmental acceptable manner.
- 14.8 This Licence is valid for a period of ten (10) years and shall be every five (5) years from the date of issue at any time before or after that date. Based on the results of the review, especially compliance to Licence conditions or recommendations from audit reports and or changing legislation, the Licence could be amended or withdrawn or validity thereof extended.
- 14.9 This Licence excludes licensing of the storage of hazardous and general waste, the licence holder must therefore comply with the Norms and Standards for the Storage of Waste.
- 15. APPEAL OF LICENCE**
- 15.1 The licence holder must notify every registered interested and affected party, in writing and within twelve (12) days, of receiving the Department's decision.



- 15.2 The notification referred to in 15.1 must –
- 15.2.1 Specify the date on which the Licence was issued;
- 15.2.2 Inform the registered interested and affected party of the appeal procedure provided for in Chapter 7 of GN No. R 543 of 18 June 2010 in terms of National Environmental Management Act, 1998, as amended (see Annexure 1);
- 15.2.3 Advise the interested and affected party that a copy of a Licence will be furnished on request; and
- 15.2.4 An appeal against the decision must be lodged in terms of chapter 7 of GN No. R 543 of 18 June 2010 in terms of NEMA 1998, as amended, from the date of this license, with: The Minister, Department of Environmental Affairs, Private Bag X 447, PRETORIA, 0001, Tel No: (012) 310 3705, Fax No.: (012) 320 7561 Email: [AppealsDirectorate@environment.gov.za](mailto:AppealsDirectorate@environment.gov.za)

Mr Mark Gordon

DEPUTY DIRECTOR-GENERAL: CHEMICALS AND WASTE MANAGEMENT

DATE: 17 DECEMBER 2013 .



**ANNEXURE I**

**APPEALS PROCEDURE IN TERMS OF CHAPTER 7 OF R. 543 OF 2010 TO BE FOLLOWED BY THE APPLICANT AND INTERESTED AND AFFECTED PARTIES UPON RECEIPT OF NOTIFICATION OF A WASTE MANAGEMENT LICENCE**

APPLICANT	INTERESTED AND AFFECTED PARTIES (IAPs)
1. Receive a notification of a Waste Management Licence from the relevant Competent Authority	1. Receive a notification of a Waste Management Licence from Applicant/Consultant
2. Within 12 days of receipt of notification, notify the relevant Competent Authority and all IAPs of intention to appeal	2. Within 20 days of receipt of notification, notify the relevant Competent Authority of intention to appeal
3. Notification served by the Applicant must include: 3.1. A copy of the notice of intention to appeal; and 3.2. A notice indicating where and for what period the appeal submission will be available for inspection by all IAPs	3. Appellant must serve on the Applicant 3.1. A copy of the notice of intention to appeal 3.2. A notice indicating where and for what period the appeal submission will be available for inspection by the applicant
4. The appeal must be submitted to the relevant Competent Authority or delegated organ of State within 30 days of lodging of the notice of intention to appeal	4. The appeal must be submitted to the relevant Competent Authority or delegated organ of State within 30 days of lodging of the notice of intention to appeal
5. A person or organ of state that receives notice of an appeal may submit a responding statement to the relevant Competent Authority or delegated organ of state within 30 days from the date that the appeal submission was made available for inspection by the appellant	5. An Applicant that receives notice of an appeal may submit a responding statement to the relevant Competent Authority or delegated organ of State within 30 days from the date the appeal submission was made available for inspection by the appellant

**NOTES:**

**1. An appeal against a decision must be lodged with:-**

1. The Minister of Water and Environmental Affairs if the decision was issued by the Director- General of the Department of Environmental Affairs (or another official) acting in his/ her capacity as the delegated Competent Authority;
2. The delegated organ of state where relevant.



## 2. An appeal lodged with:-

- a) The Minister of Water and Environmental Affairs must be submitted to the Department of Environmental Affairs by means of one of the following methods:

By facsimile: (012) 320 7561

By post: Private Bag X447, Pretoria, 0001; or

By hand: 2nd Floor, Fedsure Forum Building, North Tower, cnr. Pretorius and Lilian Ngoyi Streets, Pretoria.

- b) The delegated organ of state, where relevant, must be submitted to the delegated organ of state.

## 3. An appeal must be:-

- a) On an official form obtainable or published by the relevant department;
- b) Accompanied by:
- a statement setting out the grounds of appeal;
  - supporting documentation which is referred to in the appeal and is not available to the relevant Competent Authority;
  - a statement that the appellant has complied with regulation 62 (2) or (3) together with copies of the notices referred to in regulation 62;
  - The prescribed appeal fee, if any.

## 4. A copy of the official appeal form can be obtained from:

Mr TH Zwane

Senior Legal Administration (Appeals)

Tel: 012 310 3929

[tzwane@environment.gov.za](mailto:tzwane@environment.gov.za)

Mr TR Rambuda

Legal Administration Officer (Appeals)

Tel: 012 310 1758

[trambuda@environment.gov.za](mailto:trambuda@environment.gov.za)

**ANNEXURE II****INFORMATION WHICH SHALL BE SUBMITTED ON AN ANNUAL BASIS CONDITION 9.1**

\* = Indicate with an X. Please print legibly.

NAME OF SITE: \_\_\_\_\_ DATE OF REPORT: \_\_\_\_\_ (y/m/d)

**1. Registered owner(s) of property on which waste management facility is situated:**

Name	Telephone	
Postal Address	Fax	
	Postal Code	

**2. Operator in control of waste management facility:**

Name	Telephone	
Identity number	Tel. After hours	
Educational Qualifications		
Other Relevant competencies:		

**3. Indicate the type of waste and approximate quantities of waste stored, during the year:**

Type of waste (Specify)	Quantity (m <sup>3</sup> annum <sup>-1</sup> )	Source
TOTAL		

**4. Indicate the type of waste and approximate quantities of waste recovered during the year:**

Type of waste	Quantity (m <sup>3</sup> annum <sup>-1</sup> )	Recovered
TOTAL		

I, the undersigned, declare that the information stated above is to my knowledge a true reflection of the status at Black Mountain Mining (Pty) Ltd waste storage facility.

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Capacity: \_\_\_\_\_

Place: \_\_\_\_\_

Date: \_\_\_\_\_



**ANNEXURE III**

**WASTE MANAGEMENT FACILITIES: CONDITION 1.1.2**

**Waste water treatment works 1, General and Hazardous waste storage site**

Number of corners	Latitude	Longitude
1	18° 55' 59.39"E	29° 13' 6.20" S
2	18° 56' 28.88"E	29° 12' 55.51" S
3	18° 56' 34.64"E	29° 13' 7.73" S
4	18° 56' 11.00 "E	29° 13' 16.29" S
5	18° 56' 9.08 "E	29° 13' 12.21" S
6	18° 56' 5.95 "E	29° 13' 13.34"S
7	18° 56' 4.26 "E	29° 13' 9.74" S
8	18° 56' 1.52 "E	29° 13' 10.73" S
Centroid	18° 56' 18.14 "E	29° 13' 6.20" S

**Two modular sewage plants**

Number of corners	Latitude	Longitude
1	18° 57' 21.87"E	29° 12' 38.14"S
2	18° 57' 30.44"E	29° 12' 50.79"S
3	18° 57' 5.33"E	29° 13' 4.00"S
4	18° 57' 4.91"E	29° 13' 8.16"S
5	18° 57' 0.14"E	29° 13' 8.35"S
6	18° 56' 56.06"E	29° 13' 8.14"S
1	18° 56' 57.45"E	29° 13' 50.93"S
Centroid	18° 57' 11.25"E	29° 13' 53.07"S

**Expansion of existing Aggeneys wastewater treatment works**

Number of corners	Latitude	Longitude
1	18° 49' 53.10"E	29° 16' 10.34" S
2	18° 49' 55.16"E	29° 16' 4.71" S
3	18° 49' 43.41"E	29° 16' 1.31" S
4	18° 49' 41.26"E	29° 16' 6.91" S
Centroid	18° 49' 48.23"E	29° 16' 5.82" S

*[Signature]*



Treated sewage effluent dam, domestic waste storage facility and Sewerage collection sump

Number of corners	Latitude	Longitude
2	18° 57' 21.87"E	29° 12' 38.14" S
3	18° 57' 30.44"E	29° 12' 50.79" S
4	18° 57' 5.33"E	29° 13' 4.00" S
5	18° 57' 4.91"E	29° 13' 8.16" S
6	18° 57' 0.14"E	29° 13' 8.35" S
7	18° 57' 56.06"E	29° 13' 8.14" S
1	18° 57' 57.45"E	29° 12' 50.93" S
Centroid	18° 57' 11.25"E	29° 12' 53.07" S

Tailing Facility seepage collection

Number of corners	Latitude	Longitude
1	18° 56' 25.57"E	29° 12' 04.7" S
2	18° 56' 23.48" E	29° 12' 52.63" S
3	18° 56' 28.25" E	29° 12' 54.72" S
4	18° 56' 30.32" E	29° 12' 55.98" S
Centroid	18° 56' 26.25" E	29° 12' 53.07" S

Tailing Facility seepage collection

Number of corners	Latitude	Longitude
Center point	18° 56' 59.60"E	29° 13' 25.51" S

Tailing Facility seepage collection

Number of corners	Latitude	Longitude
Center point	18° 56' 5.75"E	29° 13' 42.93" S

*[Handwritten signature]*



ANNEXURE IV

WATER QUALITY VARIABLES REQUIRED FOR BACKGROUND AND INVESTIGATIVE MONITORING:

CONDITION 7.3.1 & 7.5.1

Alkalinity (P .Alk)	Free & saline ammonia as N ( $\text{NH}_4\text{-N}$ )
Calcium (Ca)	Boron (B)
Chromium (hexavalent) ( $\text{Cr}^{6+}$ )	Magnesium (Mg)
Chromium (Total) (Cr)	Cadmium (Cd)
Chemical oxygen demand (COD)	Chloride (Cl)
Cyanide (CN)	Fluoride (F)
Mercury (Hg)	pH
Lead (Pb)	Sodium (Na)
Nitrate (as N) ( $\text{NO}_3\text{-N}$ )	Electrical conductivity (EC)
Phenolic compounds (Phen)	Sulphate ( $\text{SO}_4$ )
Potassium (K)	
Total dissolved solids (TDS)	





ANNEXURE V

WATER QUALITY VARIABLES REQUIRED FOR DETECTION MONITORING: CONDITION 7.4.1

Alkalinity (P.Alk)

Chemical oxygen demand (COD)

pH

Total dissolved solids (TDS)

Nitrate ( $\text{NO}_3\text{--N}$ )

Chlorides (Cl)

Potassium (K)

Electrical conductivity (EC)

Calcium (Ca)

Magnesium (Mg)

Sodium (Na)

Sulphate ( $\text{SO}_4$ )

Fluoride (F)