



environmental affairs

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LICENCE NUMBER : 12/9/11/L191/4/R1
SECTOR : HAZARDOUS WASTE MANAGEMENT FACILITIES
WASTE MANAGEMENT FACILITY : ASSMANG CATO RIDGE SLAG DUMP, STORAGE OF DUST AND SLUDGE IN SLIMES DAMS, TREATMENT, RECOVERY AND RECYCLING FACILITIES
LOCATION : REMAINDER OF 39 UITKOMSDORING, DISTRICT OF ETHEKWINI METROPOLITAN MUNICIPALITY, KWA-ZULU NATAL PROVINCE
LICENCE HOLDER : ASSMANG LTD-CATO RIDGE WORKS
ADDRESS : P.O. BOX 21, CATO RIDGE, 3680
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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 National Environmental Management: Waste Act, 2008 (Act No.59 of 2008) , the Deputy Director General: Chemicals and Waste Management hereby grants **Assmang Cato Ridge Limited** a Waste Management Licence for the following waste management activities as listed in Category B of Government Notice No 921 dated 29 November 2013:



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- (1) Storage of hazardous waste in lagoons excluding the storage of effluent, wastewater and sewage.
- (2) The reuse or recycling of hazardous waste in excess of 1ton per day, excluding reuse or recycling that takes place as an integral part of an internal manufacturing process within the same premises.
- (3) The recovery of waste including the refining, utilization, or co-processing of the waste at a facility that processes in excess of 100 tons of general waste per day or in excess of 1 ton of hazardous waste per day, excluding recovery that takes place as an integral part of an internal manufacturing process within the same premises.
- (4) The treatment of hazardous waste in excess of 1 ton per day calculated as a monthly average using any form of treatment excluding treatment of effluent, wastewater or sewage.
- (7) The disposal of any quantity of hazardous waste to land.

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

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

Director: Resource Protection and Waste

Private Bag X 313

PRETORIA

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1. SITE DETAILS

1.1 LOCATION

1.1.1 This Licence authorises the reuse, recycling, recovery, treatment and disposal of slag, as well as storage of dust and sludge in the slimes dams, on the Remainder of 39 Uitkomsdoring within the jurisdiction of eThekweni Metropolitan Municipality in Kwa-Zulu Natal (hereinafter referred to as "the Sites").

1.1.2 The location of the Site must be according to the co-ordinates indicated on the licence application form, which is defined as follows:

(a) Coordinates of the new slag disposal facility

Number of corners	Latitude	Longitude
A	29° 42' 19.02"	30°36'59.08"
B	29° 42' 21.57"	30°37'04.13"
C	29° 42' 28.57"	30°37' 05.84"
D	29° 42' 30.32"	30°37'00.87"
E	29° 42' 28.94"	30°36'54.22"
F	29° 42' 23.14"	30°36'54.68"

(b) Coordinates of the briquetting plant

Number of corners	Latitude	Longitude
A	29°43' 18.14"	30°36' 31.38"
B	29°43' 19.32"	30°36' 34.27"
C	29°43' 21.43"	30°36' 33.30"
D	29°43' 20.43"	30°36' 30.49"

(c) Coordinates of the slag cooling trenches

Number of corners	Latitude	Longitude
	29°42' 53.66"	30°36' 54.50"
	29°42' 51.29"	30°36' 55.56"
	29°42' 51.50"	30°36' 56.51"
	29°42' 54.13"	30°36' 55.52"

(d) Coordinates of the slimes dams

Number of corners	Latitude	Longitude
A	29°43' 17.37"	30°36' 36.79"
B	29°43' 18.20"	30°36' 39.04"
C	29°43' 21.73"	30°36' 37.17"
D	29°43' 20.99"	30°36' 35.03"

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(e) Coordinates of the candy filter plant

Number of corners	Latitude	Longitude
A	29°43' 08.80"	30°36' 29.41"
B	29°43' 09.38"	30°36' 30.66"
C	29°43' 11.23"	30°36' 29.68"
D	29°43' 10.72"	30°36' 28.31"
E	29°43' 10.78"	30°36' 27.17"
F	29°43' 09.19"	30°36' 27.78"

(f) Coordinates of the Metal Recovery Plant

Number of corners	Latitude	Longitude
A	29°42' 30.32"	30°36' 52.84"
B	29°42' 32.20"	30°37' 05.44"
C	29°42' 41.29"	30°37' 04.35"
D	29°42' 40.86"	30°37' 02.11"
E	29°42' 32.66"	30°36' 55.85"
F	29°42' 31.74"	30°36' 52.97"

1.2 DOCUMENTS CONSIDERED

- 1.2.1 Environmental Authorisation issued by the Kwa-Zulu Natal Department of Agriculture and Environmental Affairs with reference number EIA/6804, dated 30 January 2007;
- 1.2.2 Assmang LTD Cato Ridge Waste Licence Application for the Proposed New Slag Disposal Facility compiled by KV3 Engineers, dated December 2009;
- 1.2.3 Application form for New Slag Dump dated 15 December 2009;
- 1.2.4 Environmental Management Plan for Assmang Cato Ridge Works, KV3 Engineers, dated October 2010;
- 1.2.5 A Record of Decision (RoD) issued by the then Department of Water Affairs and Forestry, dated 11 February 2010;
- 1.2.6 The Permit issued by the Department of Water Affairs and Forestry, dated 23 November 2005;
- 1.2.7 Environmental Audit Report for the Operation of the New Slag Disposal Facility compiled by SRK Consulting, dated May 2014;



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- 1.2.8 Water Quality Monitoring Report compiled by Geomeasure Group dated November 2014;
- 1.2.9 Environmental Audit Report for the Operation of Slimes Dams and Dust Storage Facility compiled by SRK Consulting, dated May 2014; and
- 1.2.10 The Emergency Preparedness Plan for Assmang Manganese Cato Ridge Works dated 4 July 2014.

1.3 SITE SECURITY AND ACCESS CONTROL

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

2. MANAGEMENT

2.1 GENERAL MANAGEMENT

- 2.1.1 The activities shall be managed and operated:
 - a) In accordance with the documented, approved Environmental Management Programme (EMPr) compiled by KV3 Engineers, dated October 2010 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 the conditions of this Licence and any other written instruction by the Director.



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- c) By sufficient persons who are competent in respect of the responsibilities to be undertaken by them in connection with the operation of the activities.
- 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 in writing to monitor compliance and ensure correct implementation of all mitigation measures and provisions as stipulated in the licence as well as the standard operation procedures ("SOP"). The licence holder must keep proof of the designation.
- 2.2.2 The WMCO must report any non-compliance with any Licence conditions or requirements or provisions of NEM: WA to the Licensing Authority.
- 2.2.3 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, 2008.
- 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 audits, after each emergency incident and major accident. The plan must include measures to address:
- a) Spillages
 - b) Fire
 - c) Slope Failure
 - d) Natural disaster such as floods
 - e) Air space
 - f) Liner integrity/ leak detection



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2.3.2 The plan must include contact details of the nearest police station, ambulance services and the emergency centre.

3. PERMISSIBLE WASTE

3.1 Any portion of the Site, which has been constructed or developed according to condition 4 below, may be used for the reuse, recycling, recovery, treatment and disposal of slag, as well as storage of dust and sludge in slimes dams at Assmang Cato Ridge Works.

3.2 The Licence Holder must compile a waste inventory and management plan focusing on implementation of the waste hierarchy for each waste stream within 30 days from the date of issue of this licence and submit to the Director for approval and inclusion as an addendum to the EMP referred to in condition 2.1.1 (a) above.

3.3 The Licence Holder must prevent the acceptance of waste that is not authorised at the Sites.

4. CONSTRUCTION OF THE FACILITY

4.1 The construction and further development within the facility must be in accordance with approved drawings numbered 230870DK912, dated March 2008 and 230870DK911, dated June 2009.

4.2 The construction and further development of the slimes dam, dust storage and sludge lagoons must be in accordance with the approved drawings numbered Ds045500/903, dated December 2001.

4.3 Construction not shown on the approved drawings (as stated in conditions 4.1 and 4.2 above) may only be undertaken by the licence holder after the specified engineering plans have been submitted and approved in writing by the Director. Any developments that are postponed and future recovery of disposal slag will be carried out subject to legal requirements at the time they are undertaken.

4.4 The licence holder must construct and maintain on a continuous basis a drainage system capable of diverting and draining from the facility all runoff water arising from land adjacent to the facility,



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which could be expected as a result of the 1:50 years flood event over a period of 24 hours.

- 4.5 The licence holder must construct and maintain on a continuous basis a drainage and containment system capable of collecting and storing all runoff water arising from the facility, which could be expected as a result of the 1:50 years flood event over a period of 24 hours to prevent such runoff water from coming into contact with waste. The system must under the said rainfall event maintain a freeboard of half a metre.
- 4.6 Construction must be carried out under the supervision of a registered Professional Civil Engineer, registered under the Engineering Profession Act, 2000 (Act No. 46 of 2000) and appointed by the licence holder.
- 4.7 The slag, slimes dams and dust storage lagoons must have a leakage detection system to ensure that leachate is diverted to the effluent treatment plant for treatment before it is reused on site.
- 4.8 All activities apart from those occurring at the slag disposal area, slag recovery areas, slimes dams, dust and sludge lagoons, and slag cooling areas must occur in areas with a roof cover or any other prevention mechanism that prevents rainwater from coming into contact with the waste.
- 4.9 The Licence Holder must investigate and assess feasible alternatives for the lining of slag cooling area indicated in 1.1.2 (c) above, particularly with respect to the best practice in order to prevent pollution of the environment.
- 4.10 The Licence Holder must investigate the environmental impacts associated with the storage of slag on the slag cooling area indicated in 1.1.2 (c) above as well as mitigation measures thereof.
- 4.11 The Licence Holder must submit written proof of having complied with conditions 4.9 and 4.10 above within a period of 12 months from the date of issue of this licence.
- 4.12 The slopes of the walls of the slimes dams and dust storage lagoons must not be steeper than 1 vertical to 3 horizontal length units, unless an equivalent engineering alternative has been approved by the Director.



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- 4.13 The Site must be constructed in accordance with recognised civil engineering practice with special consideration to stability.
- 4.14 The maximum height of the slimes dam and dust storage lagoons above mean ground level shall not exceed:
- 4.14.1 Active slimes dams: 5 metres; and
- 4.14.2 Dust storage facility: 6 metres

5. GENERAL IMPACT MANAGEMENT AND OPERATION

5.1 IMPACT MANAGEMENT

- 5.1.1 The Licence Holder must ensure that all liquid wastes, whose discharge to water or land could cause pollution, are provided with secondary containment and/or diverted to the effluent treatment plant.
- 5.1.2 All areas where licensed activities occur must have a protective layer to prevent the possibility of ground water and soil contamination. There must be proof of adequacy of the lining or impermeable layer between the activity and groundwater and soil and such prevention must be recommended by both the WMCO and the registered Engineer as adequate to totally prevent soil and groundwater pollution and must be submitted to the Director for approval.
- 5.1.3 Specific areas must be demarcated for fuelling and workshop services. And such areas must be bunded to reduce the possibility of soil and water contamination.
- 5.1.4 Waste, which is not permissible under condition 3, must be dealt with according to relevant legislation or the Department's policies and practices.
- 5.1.5 The License Holder must ensure that adequate measures are in place to prevent the occurrence of nuisance conditions or health hazards.

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- 5.1.6 The operation of the waste disposal areas must be in accordance with the latest edition of the document titled: "Minimum Requirements for the Waste Disposal by Landfill, Second Edition, 1998, and the Operational Procedures report number: DS036832, dated July 2001 submitted by the Licence Holder.
- 5.1.7 The Licence Holder must take all reasonable steps for example suitable zoning and/or written agreements with adjacent landowners, to establish and maintain a buffer zone to prevent the development of further residential and/or light industrial areas closer to the Sites than any residential area existing at the date of this Licence, during the operative life of the Site. Heavy industries or industries which may create nuisance conditions may be permitted within the buffer zone in terms of the appropriate legislation.
- 5.1.8 The Licence Holder must conduct air dispersion modelling, air quality and health assessment studies in order to determine the appropriate distance from the waste management sites to the nearest residential and/or light industries which will be considered as the buffer zone. The report containing the air dispersion modelling, air quality assessments and the recommended buffer zone must be submitted to the Director within six (06) months from the date of issue of this licence.
- 5.2 OPERATION MANAGEMENT
- 5.2.1 The classification, assessment and disposal criteria as listed in the latest edition in the Waste Classification and Management Regulations, 2013 (hereinafter referred to as "the WC&MR") must be conformed to. Any portion of the Site which has been constructed or developed according to the latest edition of the "Minimum Requirements" series of documents as published by the DWAF (hereinafter referred to as the "Minimum Requirements"), may be used for the disposal of all waste types which are classified according to the "Minimum Requirements", and any waste classified according to Regulation 634, Waste Classification and Management Regulations, dated 23 August 2013 may be disposed on cells with a containment barrier design according to Regulation 636 dated 23 August 2013, approved in writing by the Responsible Authority.
- 5.2.2 The Licence Holder must ensure that the facility is operated in such a manner that nuisance conditions, health hazards, the potential creation of nuisance conditions or health hazards are



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prevented; dust suppression measures must be implemented.

- 5.2.3 Should spillages with a potential to contaminate either water or the soil happen, immediate mitigation measures must be undertaken, which must include:
- (a) Contain spill immediately
 - (b) Remove the spilled waste, and immediately dispose of it at a licensed facility and
 - (c) Remediate the impacted area according to current and legal remediation requirements.

- 5.2.4 Dust suppression measures (including spraying with water) must be implemented on all access and hauling routes that have the potential to cause excessive dust. If treated effluent is used for dust suppression it must comply with the Revision of the General Authorisation in terms of Section 39 of the National Water Act, 1998 (Act No. 36 of 1998) published under Government Notice 665 in Government Gazette 36820 dated 06 September 2013, Table 1.3 or with such quality requirements as may from time to time be determined by the Director or Director: RPW.

- 5.2.5 No waste must be used for rehabilitation of erosion gullies and or excavations.

- 5.2.6 The Licence Holder must ensure that the slag supplied to third parties for either reuse or recycling is only supplied to facilities authorised to accept such waste.

5.3 RUN-OFF MANAGEMENT

- 5.3.1 All runoff water (stormwater) arising as a result of precipitation on land adjacent to the Site must be prevented from coming into contact with any substance, whether such substance is solid, liquid, vapour or gas, or a combination thereof, which is produced, used, stored, dumped or spilled in the premises, including leachate and must be diverted and drained from the Site, by means of works constructed by the Licence Holder in accordance with approved engineering drawings.

- 5.3.2 All runoff water (stormwater) arising as a result of precipitation on the Site, must be prevented from coming into contact with any substance, as enumerated in condition 5.3.1 and must be diverted and drained from the Site and working face of the Site, by means of works constructed in accordance with approved engineering drawings.



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5.3.3 In the event that runoff water referred to in condition 5.3.1 and 5.3.2 becomes contaminated, it must be regarded as leachate and must be dealt with according to condition 5.4.

5.3.4 Uncontaminated runoff water must under no circumstances be used to dilute leachate emanating from the site but must be diverted to and discharged into the nearest storm water channel.

5.4 LEACHATE MANAGEMENT

5.4.1 All leachate from the Sites including contaminated runoff water must be:-

5.4.1.1 treated in the works constructed according to condition 4 to comply with the quality requirements specified in the General and Special Standards, 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 Director;

5.4.1.2 discharged into any convenient sewer only if accepted in writing by the relevant local authority in control of the sewer.

6. MONITORING

6.1 MONITORING METHODS AND PARAMETERS

6.1.1 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).

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

6.2 WATER MONITORING



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- 6.2.1 The Licence Holder must maintain the borehole network for the facility as listed in the water quality monitoring protocol to the satisfaction of the Director and Director: RPW so that an unobstructed sampling, as required in terms of the Licence, can be undertaken.
- 6.2.2 The water monitoring boreholes must be equipped with lockable caps. The Department and DWS reserve the right to take water samples at any time and to analyse these samples, or to have them taken and analysed.
- 6.2.3 The Licence Holder must ensure that there are corresponding boreholes that monitor the same aquifer up gradient for the two down gradient boreholes referenced BH Doornrug deep and shallow.
- 6.2.4 Surface water that is captured in the storm water dam must be monitored monthly and no storm water must leave the site.
- 6.2.5 The Licence Holder must ensure a stream sampling point upstream of the facility is included in the surface water quality monitoring plan.
- 6.2.6 Monitoring for treated leachate, including contaminated runoff water must be conducted in stormwater drains on and adjacent to the Site.
- 6.2.7 Monitoring for the quality of uncontaminated runoff water must be conducted in stormwater drains on and adjacent to the Site.
- 6.3 BACKGROUND MONITORING
- 6.3.1 Samples from the borehole as required in condition 6.2.1 above, where the groundwater in the borehole is at an expected higher hydraulic pressure level of the groundwater under the facility, must be considered as background monitoring and tested biannually for the water variables listed in Annexure I (once off) and bi-annually for variables in Annexure II (b) and annually for variables in Annexure II (c) or as in the latest approved monitoring protocol.



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6.4 DETECTION MONITORING

6.4.1 Frequency of water monitoring and variables for analysis

6.4.1.1 Monitoring for groundwater quality must be conducted bi-annually for variables in Annexure II (b) and annually for variables in Annexure II (c) or as in the latest approved monitoring protocol.

6.4.1.2 Monitoring of leachate must be conducted monthly for the water quality variables listed in Annexure I and shall be conducted separately for the leachate collection system of each separate waste disposal cell.

6.4.1.3 Monitoring for surface water and the stormwater dam must be conducted monthly for variables listed in Annexure II (a) or as in the latest approved monitoring protocol.

6.5 INVESTIGATIVE MONITORING

6.5.1 If, in the opinion of the Director, a water quality variable listed under the detection monitoring programme, as referred to in condition 6.4, shows an increasing trend, the Licence Holder must initiate a monthly monitoring programme for the water quality variables listed in Annexure I.

6.6 LEAK AND FAILURE DETECTION MONITORING

6.6.1 The leachate detection system must be monitored on a daily basis for the occurrence of leakages. Should a leak be suspected or identified a higher frequency of monitoring must be initiated and must be approved by the Director.

6.6.2 Inspection of liners, where liners are accessible, must be performed monthly.

6.6.3 Liners must be repaired where possible, or replaced when necessary, when inspection tests show deterioration, or leaking and these corrective actions shall be performed to the satisfaction of the Director.



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6.6.4 Should a leak or failure be suspected or detected during monitoring or tests performed in accordance with conditions 6.6.1 and 6.6.2 or at any other time, it must be regarded as an incident as indicated in condition 9.1.

7. INVESTIGATIONS

7.1 If, in the opinion of the Director, environmental pollution, nuisances or health risks may be occurring or are occurring on the Site, the Licence Holder must initiate an investigation into the cause of the problem or suspected problem.

7.2 If, in the opinion of the Director and/or Director: RPW, water pollution may be occurring 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 at such frequency as may be specified by Director: RPW.

7.3 Should the investigation carried out as per conditions 7.1 and 7.2 above reveal any unacceptable levels of pollution, the Licence Holder must submit mitigation measures to the satisfaction of the Director.

8. RECORDS

8.1 The Licence Holder must keep records of waste generated for each waste stream, amounts recycled, reused, recovered, treated and disposed of on or off site including names of receiving companies and proof of their authorisation for the relevant activity.

8.2 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;
- d) Be made available on request to the Licencing Authority; and

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- e) Be retained in accordance with documented procedures which are approved by the Department.

9. REPORTING

- 9.1 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; including
- a) Any malfunction, breakdown or failure of the technology,
 - b) Any accident or fugitive emission which has caused, is causing or may cause significant pollution;
 - c) A breach of this Licence; and
 - d) Any significant adverse environmental and health effects.
- 9.2 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 9.4, 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 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.
- 9.3 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 9.4, or measures which have been implemented are inadequate; the Director may implement the necessary measures at the cost and risk of the Licence Holder.
- 9.4 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

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- 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. AUDITING

10.1 INTERNAL AUDITS

- 10.1.1 Internal audits must be conducted quarterly 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 10.2.1.

10.2 EXTERNAL AUDITS

- 10.2.1 The Licence Holder must appoint an independent external auditor to audit the site annually and the auditor must compile an audit report documenting the findings of the audit, which must be submitted by the licence holder.
- 10.2.2 The audit report must:
- a) Specifically state compliance and non-compliance with conditions of this Licence;
 - b) Include an interpretation of all available data and test results regarding the operation of the site and all its 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;
 - e) Specify whether corrective action taken for the previous audit non conformities was adequate; and
 - f) Show monitoring results graphically and conduct trend analysis.
- 10.2.3 Audit reports must be finalised within sixty days of the finalisation of the external audit. Each external audit report must be submitted to the Director within 30 days from the date on which the external auditor finalised the audit.



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10.3 DEPARTMENTAL AUDITS AND INSPECTIONS

- 10.3.1 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.
- 10.3.2 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.

11. MONITORING COMMITTEE

- 11.1 The Licence Holder must maintain and ensure continued functioning of a Monitoring Committee for the normal operative lifetime of the Site and for a period of at least two years after the closure of the Site, or such longer period as may be determined by the Director.
- 11.2 The Monitoring Committee must formulate terms of reference and code of conduct, according to the Minimum Requirements, Second Edition 1998 by the Department of Water Affairs and Forestry or its successor.
- 11.3 The Monitoring Committee must be comprised of relevant interested and affected persons.
- 11.4 The Monitoring Committee must meet at least once every quarter and not later than 30 days after the external audit report specified in condition 10.2 has been submitted to the Director.
- 11.5 The Licence Holder must keep minutes of the Monitoring Committee and distribute these minutes to all members of the Monitoring Committee within 14 days after the meeting.

12. LEASING AND ALIENATION OF THE SITE

- 12.1 Should the Licence Holder want to alienate or lease the Site, he/she must 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.



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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 NEM: WA.
- 13.2 Any subsequent Licence Holder shall be bound by conditions of the licence.

14. GENERAL

- 14.1 This Licence shall not be transferable unless such transfer is subject to condition 13.1.
- 14.2 This Licence shall not be construed as exempting the Licence Holder from compliance with the provisions of National and Provincial Legislation and any relevant Ordinance, Regulation, By-law or relevant National Norms and Standards.
- 14.3 Transgression of any condition of this Licence could result in the Licence being withdrawn by the Department.
- 14.4 Non-compliance with a condition of this Licence may result in criminal prosecution or other actions provided for in Section 67 (1) of the NEM: WA.
- 14.5 In terms of section 28 and 30 of the NEMA, 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 the environmental risks of their work and training them to operate in an environmentally acceptable manner.
- 14.6 This Licence is valid for a period of ten (10) years and shall be reviewed every five (05) years from the date of issue or at any time before or after that date. The Licence Holder must notify the Department six (06) months prior the due date of the intended review. Based on the results of the review, especially compliance to Licence conditions or recommendations from the audit reports



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and or changing legislation, the Licence could be amended or withdrawn or the validity thereof reduced or extended.

- 14.7 This licence repeals the Permit (16/2/7/U203/B3/Y1/P507) dated 23 November 2005 and the Waste Management Licence (12/9/11/L191/4) dated 29 July 2010.

Mr Mark Gordon

DEPUTY DIRECTOR-GENERAL: CHEMICALS AND WASTE MANAGEMENT

DATE: 19/06/15



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ANNEXURE I

WATER QUALITY VARIABLES REQUIRED FOR BACKGROUND MONITORING, LEACHATE AND
INVESTIGATIVE MONITORING: CONDITIONS 6.3, 6.4 and 6.5

Alkalinity (P.AIk)
Boron (B)
Cadmium (Cd)
Calcium (Ca)
Chloride (Cl)
Chromium (Total) (Cr)
Cyanide (CN)
Electrical conductivity (EC)
Fluoride (F)
Free & saline ammonia as N (NH₄-N)
Lead (Pb)
Magnesium (Mg)
Mercury (Hg)
Nitrate (as N) (NO₃-N)
pH
Potassium (K)
Sulphate (SO₄)
Sodium (Na)
Total dissolved solids (TDS)



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ANNEXURE II

WATER QUALITY VARIABLES REQUIRED FOR BACKGROUND MONITORING AND DETECTION

MONITORING: Conditions 6.3 and 6.4

(a) Variables for surface water and the stormwater dam - monthly

Free and Saline ammonia as N (NH₄-N)

Boron (B)

Magnesium (Mg)

Mercury (Hg)

Lead (Pb)

Electrical conductivity (EC)

Volatile and semi Volatile Organic Compounds

Calcium (Ca)

Zinc (Zn)

Chromium (Hexavalent) (Cr⁶⁺)

pH

Nitrate (as N) (NO₃-N)

Phenolic compounds (phen)

(b) Bi-annually for:

Alkalinity (P.Alk)

Chemical Oxygen Demand (COD)

pH

Total dissolved solids (TDS)

Chlorides (Cl)

Nitrate (as N) (NO₃-N)

Potassium (K)



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ANNEXURE II

WATER QUALITY VARIABLES REQUIRED FOR BACKGROUND MONITORING AND DETECTION

MONITORING: Conditions 6.3 and 6.4

(c) Annually for:

Electrical conductivity (EC)

Calcium (Ca)

Magnesium (Mg)

Sodium (Na)

Sulphate (SO₄)

Fluoride (F)

Total Organic Halogen (TOX)

Volatile Organic Compounds (TOC)