



**REFERENCE:** 19/2/5/4/F5/17/WL0013/18

The Municipal Manager  
Swartland Local Municipality  
Private Bag S52  
**MALMESBURY**  
7299

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**For attention:** Mr Freddie Bruwer

**VARIATION OF THE WASTE MANAGEMENT LICENCE FOR THE DECOMMISSIONING OF THE MOORREESBURG WASTE DISPOSAL FACILITY (WDF), ERVEN 3969, 2884 AND 2885, MOORREESBURG**

**WASTE MANAGEMENT LICENCE**

**A. DECISION**

I, Eddie Hanekom, in my capacity as the Director: Waste Management of the Department of Environmental Affairs and Development Planning (hereinafter referred to as "the Department"), in terms of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008), as amended (NEM:WA), hereby vary and replace the existing Waste Management Licence (Licence No. 19/2/5/1/F5/17-WL0022/13), and issue this Waste Management Licence to the Swartland Local Municipality (hereinafter referred to as "the Municipality"), for the decommissioning of the Moorreesburg WDF, Erven 3969, 2884 and 2885, Moorreesburg (hereinafter referred to as "the Facility").

## **B. DESCRIPTION OF ACTIVITY**

The activities for decommissioning of the Moorreesburg WDF as per the "*Minimum Requirements for Waste Disposal by Landfill*", 1998, Second Edition, Department of Water Affairs and Forestry (DWAFF) (now Department of Water and Sanitation) ("*Minimum Requirements*") and the NEM:WA "*National Norms and Standards for Disposal of Waste to Landfill*" Government Notice (GN) No. R 636 (GN R 636) of 23 August 2013 will entail but not be limited to the following:

- (a) Disposal of builders' rubble and green waste;
- (b) The acceptance and storage of domestic general waste in 6m<sup>3</sup> containers for weekly removal (please note that no domestic general waste may be accepted at the Facility for disposal);
- (c) WDF Facility Auditing;
- (d) Gate or weighbridge recording procedures;
- (e) Volume Surveys;
- (f) Collection and processing of other data;
- (g) Leachate and water quality monitoring;
- (h) Gas monitoring
- (i) Air quality monitoring
- (j) Monitoring of rehabilitated areas
- (k) Attend to the health of workers
- (l) The determination of the total airspace at the WDF
- (m) Remedial design to address identified problem areas;
- (n) Final Shaping, landscaping and re-vegetation;
- (o) Final landfill cover or capping design;
- (p) Construct the capping layer to a minimum quality and thickness;
- (q) Permanent stormwater diversion measures, run-off control and anti-erosion measures; and
- (r) Any infrastructure relating to the End-use Plan

The following activity listed in the NEM:WA, '*List of waste management activities that have, or are likely to have, a detrimental effect on the environment*', GN No. 921 of 29 November 2013 (GN No. 921), as amended, is hereby authorised:

### Category A

- 3(14) The decommissioning of a facility for a waste management activity listed in Category A or B of this Schedule.

The granting of this Waste Management Licence is subject to compliance with the conditions set out in Section C below.

In this Licence, "Director" means the Director: Waste Management of the Western Cape Department of Environmental Affairs and Development Planning, who may be contacted at the address below:

Director: Waste Management  
Department of Environmental Affairs and Development Planning  
Private Bag X9086

**CAPE TOWN**  
8000

In this Licence, "Director: RPW" means the Director: Resource Protection and Waste of the National Department of Water and Sanitation: Western Cape Provincial Operations, who may be contacted at the address below:

Director: Resource Protection and Waste  
Department of Water and Sanitation  
Private Bag X16

**SANLAMHOF**  
7532

## C. LICENCE CONDITIONS

**LICENCE NUMBER:** 19/2/5/4/F5/17/WL0013/18  
**WASTE APPLICATION:** DECOMMISSIONING OF THE MOORREESBURG WDF  
**LOCATION:** ERVEN 3969, 2884 AND 2885, MOORREESBURG  
**LICENCE HOLDER:** SWARTLAND LOCAL MUNICIPALITY  
**CONTACT PERSON(S):** MR FREDDIE BRUWER  
**ADDRESS:** PRIVATE BAG 52, MALMESBURY, 7299

### 1. LOCATION

1.1 This Licence authorises the Swartland Local Municipality to decommission the Moorreesburg WDF on Erven 3969, 2884 and 2885, Moorreesburg, in the Western Cape Province.

1.2 Location of property on which the Facility is situated:

**Table 1: Location of the Facility**

Latitude (S)	Longitude (E)
33° 7'50.74"	18°39'40.31"

1.3 The location of the Facility must be according to co-ordinates indicated in the Waste Management Licence Application Additional Information Annexure dated 18 March 2013, submitted by the Licence Holder, is defined as follows:

**Table 2: Footprint of the Facility**

Corner	Latitude (S)	Longitude (E)
Corner 1	33°7'45.177"	18°39'39.237"
Corner 2	33°7'44.269"	18°39'46:836"
Corner 3	33°7'50.796"	18°39'47.445"
Corner 4	33°7'51.296"	18°39'39.805"

1.4 The footprint of the Erven are 15418m<sup>2</sup>, 9172m<sup>2</sup> and 2598m<sup>2</sup> respectively.

1.5 The Surveyor General 21 Digit code of the Facility are: C04600000000396900000, C04600000000288400000 and C04600000000288500000

### 2. PERMISSIBLE WASTE

2.1 Any portion of the Facility which has been constructed or developed according to this Licence, may be used for the disposal recovery and storage of garden waste and Construction and Demolition (C&D) waste until final closure.

2.2 The Licence Holder shall take all reasonable steps to ensure that:

2.2.1 no hazardous waste; and

- 2.2.2 no health care waste, including pharmaceutical waste, as defined by the Western Cape Health Care Waste Management Act, 2007 (Act No. 7 of 2007), be disposed of at the Facility.
- 2.3 The Licence Holder must prevent the acceptance of any waste not authorised at the Facility.
- 2.4 All waste loads must be checked at the gate to prevent the disposal of waste not permitted by this Licence.
- 2.5 Organic waste is allowed to be disposed of at the Facility, but must be in accordance with the Organic Waste Diversion Plan, targets and procedures referred to in condition 19.9 and 19.10 of the Licence.

### **3. APPOINTMENT OF A WASTE MANAGEMENT CONTROL OFFICER/ENVIRONMENTAL CONTROL OFFICER**

- 3.1 The waste management activities that are authorised by this Licence, must be managed by fit and proper persons who are competent in respect of the responsibilities to be undertaken by them.
- 3.2 A Waste Management Control Officer (WMCO)/Environmental Control Officer (ECO) must be appointed, who will monitor and ensure compliance and correct implementation of all mitigation measures and provisions, as stipulated in the Licence and Environmental Management Programme (EMPr) dated 1 April 2014.
- 3.3 The WMCO/ECO must:
  - 3.3.1 report any non-compliance with any Licence conditions or requirements or provisions of NEM:WA to the Licensing Authority through the means reasonably available;
  - 3.3.2 monitor the closure activities and ensure that the closure plans are in accordance with the engineering designs; and
  - 3.3.3 identify and submit potential measures to the Licence Holder and the Director in respect of waste minimisation, including the reduction, recovery, re-use and recycling of waste.

### **4. MANAGEMENT**

- 4.1 The closure and rehabilitation of the Facility must be managed by a fit and proper person who is competent in respect of the responsibilities to be undertaken by them in connection with the commencement of the decommissioning activity.
- 4.2 The Licence Holder must ensure that illegal access to the Facility and dumping does not occur once the Facility is closed.
- 4.3 The Licence Holder must ensure that the intended Post-closure monitoring and maintenance is properly implemented.
- 4.4 A copy of this Licence and the EMPr must be kept at or near the Facility where the waste listed activities will be undertaken. The Licence and EMPr must be produced to any authorised official of the Department who requests to see it for the purposes of assessing and/or monitoring compliance with the conditions contained herein, and must be made available for inspection by any employee or agent of the Licence Holder who works or undertakes work at the Facility. Any persons having duties that are or may be affected by the matters set out in this Licence must have convenient access to a copy of it. This must be kept at or near the place where those duties will be carried out.

- 4.5 The Licence Holder must ensure that the intended end-use of the Facility is properly implemented and that the landscaping of the Facility, the drainage system and vegetation form part of the development to ensure the successful implementation of the intended end-use plan.
- 4.6 The Licence Holder shall remain responsible for the Facility, and/or any of its impacts arising from the operations on the environment.

## **5. DECOMMISSIONING PHASE**

- 5.1 The closure and rehabilitation of the Facility must be in accordance with the final Basic Assessment Report dated September 2013 as prepared by Worley Parsons RSA (Pty) Ltd which includes the Environmental Management Programme (EMPr) for operation and the decommissioning dated August 2013.
- 5.2 This Department must be notified in writing of any proposed changes to the EMPr, and this Department must approve any proposed changes prior to implementation thereof.
- 5.3 The Facility must be capped with an appropriate infiltration control cap comprising out of 200mm topsoil, 450mm of Compacted Clay Layer ("CCL") (in 3 type V layers of the Minimum Requirements of 1998), having a clay permeability not exceeding 10-6cm/sec or have static infiltration less than 0,5m/year, over a compacted waste body shaped to have a slope between 1v:4h (25%) and 1v:50h (2%). An alternative to the 450mm CCL of specified performance clay is acceptable in which the 450 mm CCL is replaced with 450mm random soil compacted fill over a Geosynthetic Clay (GCL) Layer. The design plans of the GCL must be submitted to the Department, for approval.
- 5.4 Construction within the Facility must be carried out under the supervision of a Registered Professional Engineer.
- 5.5 The closure of the Facility must be constructed in accordance with recognised civil engineering practices, to ensure that it remains stable.
- 5.6 The Facility, or any portion thereof must be covered and must be maintained in such a way that:
- 5.6.1 the formation of pools due to rain is prevented;
  - 5.6.2 free surface runoff of rain-water is ensured;
  - 5.6.3 contamination of stormwater is prevented;
  - 5.6.4 no objects or material which may hamper the rehabilitation of the Facility are present; and
  - 5.6.5 little or no erosion occurs.
- 5.7 Any development which occurs within the 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 (Act No. 36 of 1998).

## **6. FACILITY SECURITY AND ACCESS CONTROL**

- 6.1 Weatherproof, durable and legible notices in at least three official languages applicable to the area, shall be displayed at each entrance to the Facility. These notices shall prohibit unauthorised entry and state the hours of operation, the name, address and telephone number of the Licence Holder and the person responsible for the operation of the Facility.
- 6.2 The Facility shall be fenced to a minimum height of 1.8 metres, with gates of the same height at all entrances, to reasonably prevent unauthorised entry and curtail the spreading of wind-blown waste.

- 6.3 The Licence Holder shall ensure effective access at the Facility and that no illegal dumping occurs.
- 6.4 The Licence Holder shall ensure that all entrance gates are manned during the hours of operation and locked outside the hours of operation.
- 6.5 The Licence Holder shall take all reasonable steps to maintain service roads in a condition which ensures unimpeded access to the Facility for vehicles transporting waste and keep the roads free of waste.

## **7. ENVIRONMENTAL POLLUTION INVESTIGATIONS**

- 7.1 If, in the opinion of the Director, any environmental pollution, nuisances or health risks may be or is occurring on the Facility, the Licence Holder must investigate the cause of the problem and take reasonable steps to alleviate the problem in consultation with the Director.
- 7.2 Should the investigation carried out as per condition 7.1 above reveal any unacceptable levels of pollution, the Licence Holder must submit a report with mitigation measures to the satisfaction of the Director.

## **8. WATER QUALITY MANAGEMENT**

- 8.1 All runoff water (storm water) arising as a result of precipitation on land adjacent to the Facility must be prevented from entering the Facility and must be diverted and drained from the Facility, by means of works constructed by the Licence Holder in accordance with condition 5.6.
- 8.2 Uncontaminated runoff water must under no circumstances be used to dilute leachate emanating from the Facility but must be diverted to and discharged into the nearest storm water channel.

## **9. MONITORING**

- 9.1 If, in the opinion of the Director and Director: RPW, groundwater and/or surface water pollution have occurred or may possibly occur, the Licence Holder must conduct and/or appoint specialists to conduct the necessary investigations and implement monitoring and rehabilitation measures to the satisfaction of the Director and Director: RPW.

## **10. MONITORING METHODS AND PARAMETERS**

- 10.1 The Licence Holder must carry out all tests required in terms of condition 9 in accordance with methods prescribed by and obtainable from the South African Bureau of Standards (SABS), referred to in the Standards Act, 2008 (Act No. 8 of 2008).
- 10.2 The Licence Holder may only use another method of analysis if written proof that the method is at least equivalent to the SABS method, is submitted to and accepted by the Director and Director: RPW.
- 10.2.1 The Licence Holder must put in place a monitoring and measurement plan that must inter alia include:
- 10.2.2 mass (in tonnes or kilograms) received, recycled, reclaimed, treated and transferred;
- 10.2.3 waste types and sources;
- 10.2.4 air quality monitoring; and

- 10.2.5 an annual (once a year) topographical survey submitted to the Director in the form of an Airspace Determination Report, which must estimate the remaining volume of airspace on the Facility and the remaining lifetime for the disposal of waste at the Facility.

## **11. AUDITING**

### **11.1 INTERNAL AUDITS**

- 11.1.1 Internal audits must be conducted quarterly (four times per year) 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 and the Department (if requested).

### **11.2 EXTERNAL AUDITS**

- 11.2.1 The Licence Holder must appoint an independent external auditor to audit the Facility annually (once a year) and this auditor must compile an audit report documenting the findings of the audit to the Department.
- 11.2.2 The audit report must specifically state whether conditions of this Licence are adhered to and must include an interpretation of all available data and test results regarding the operation of the Facility and all its impacts on the environment.
- 11.2.3 The audit report must contain recommendations regarding non-compliance or potential non-compliance with the Licence conditions, and must specify target dates for the implementation of the recommendations by the Licence Holder.
- 11.2.4 The external audit report must be submitted to Environmental Monitoring Committee (hereinafter referred to as the "Monitoring Committee"), provided in condition 13 below, within 3 (three) months, from the date on which the external auditor finalised the report.
- 11.2.5 Each external audit must be submitted to the Director within 30 (thirty) days, from the date on which the external auditor finalised the report.
- 11.2.6 Both the internal and external audit reports must be in accordance with the format as prescribed by the Department.

### **11.3 DEPARTMENTAL AUDITS AND INSPECTIONS**

- 11.3.1 The Department and/or the Director: RPW reserves the right to audit and/or inspect the Facility at any time and at such a frequency as the Director and Director: RPW may decide, or to have the Facility audited or inspected.
- 11.3.2 The Licence Holder must make any records or documentation available to the Director and the Director: RPW upon request, as well as any other information the Director and Director: RPW may require.
- 11.3.3 The findings of these audits or inspections shall be made available to the Licence Holder within 60 (sixty) days of the end of the audit or inspection and shall not be treated as confidential.

## **12. RECORD KEEPING**

- 12.1 The Licence Holder must keep records of all monitoring results, nuisances and complaints at the Facility.



- 12.2 Accurate records of waste volumes or masses received and recovered must be kept at the Facility and reported to the Department as per condition 12.4.
- 12.3 All records required or resulting from activities required by this Licence must:
- 12.3.1 be legible;
  - 12.3.2 be made available and should form part of the external audit report;
  - 12.3.3 if amended, be amended in such a way that the original and any subsequent amendments remain legible and are easily retrievable;
  - 12.3.4 be retained in accordance with documented procedures which are approved by the Department; and
  - 12.3.5 be made available upon the request of the Director and/or Director: RPW.
- 12.4 The Licence Holder shall record all borehole data and chemical analysis in a format agreed upon in writing between the Director and the Director: RPW, the Licence Holder, and a relevant specialist if so required.
- 12.5 The Licence Holder must register and report all waste volumes or masses received, recovered, disposed of or stored to the Department's Integrated Pollutant and Waste Information System (IPWIS), which can be accessed on the URL: <http://ipwis.pgwc.gov.za/ipwis3/public> as required by the Department.

### **13. MONITORING COMMITTEE**

- 13.1 The Licence Holder must take the necessary steps to establish, maintain and ensure the continued functioning of a Monitoring Committee for the normal operative lifetime of the Facility and for a period of at least 2 (two) years after the closure of the Facility, or such longer period as may be determined by the Director.
- 13.2 The Monitoring Committee shall be representative of relevant interested and affected parties and may consist of at least 3 (three) of the following representatives:
- 13.3 Licence Holder and/or his/her appointed consultant(s) or advisor(s);
  - 13.4 representative(s) of the Health, Environment and/or Waste Departments of the relevant local authority;
  - 13.5 representative(s) of this Department; and
  - 13.6 at least 3 (three) persons/parties, their representatives elected by the local residents, or proof of notification of the Monitoring Committee to interested and affected parties and residents of each meeting.
- 13.7 The Monitoring Committee shall meet annually (once a year), and no later than 3 (three) months after the finalisation of the external audit was conducted in terms of condition 11.2, and submitted in terms of condition 11.2.5.
- 13.8 The Licence Holder must keep minutes of all meetings of the Monitoring Committee and distribute these minutes to all members of the Monitoring Committee within 30 (thirty) days after the meeting.

## **14. REPORTING**

- 14.1 The Licence Holder must, within 24 (twenty-four) hours, notify the Director of the occurrence or detection of any incident at the Facility, which has the potential to cause disruption in the normal operation of the Facility, or has caused water pollution, pollution of the environment, health risks or nuisance conditions.
- 14.2 The Licence Holder must, within 14 (fourteen) days, or as specified by the Director from the occurrence or detection of any incident referred to in condition 14.1, submit an action plan, which must include a detailed time schedule, and resource allocation signed off by management, to the satisfaction of the Director of measures taken to:
- 14.2.1 correct the impact resulting from the incident;
  - 14.2.2 prevent the incident from causing any further impact; and
  - 14.2.3 prevent a recurrence of a similar incident.
- 14.3 In the event that measures have not been implemented within 21 (twenty one) days of the incident to address impacts caused by the incident referred to in condition 14.1, or measures which have been implemented are inadequate, the Director may implement the necessary measures at the cost and responsibility of the Licence Holder.
- 14.4 The Licence Holder or duly appointed person must keep an incident report and complaints register, which must be made available to both external and Departmental auditors for the purpose of their audits.
- 14.5 The Department must be notified within 7 (seven) days of any changes to the management of the Facility, including the name of the incoming person, together with evidence that such person has the required technical competence.
- 14.6 The Department must be notified within 14 (fourteen) days of the following changes:
- 14.6.1 Licence Holder's trading name, registered name or registered office address;
  - 14.6.2 particulars of the Licence Holder's ultimate holding company (including details of an ultimate holding where a Licence Holder has become a subsidiary); and
  - 14.6.3 steps taken with a view to the Licence Holder going into bankruptcy, entering into composition or arrangement with creditors.
- 14.7 All audit reports (internal and external) must be submitted to the Director within 30 (thirty) days from the date on which the auditor finalised the audit.
- 14.8 The Department must be notified without delay in the case of the following:
- 14.8.1 any malfunction, breakdown of failure of equipment or techniques, accident or fugitive emission which has caused, is causing or may cause significant pollution;
  - 14.8.2 the breach of conditions of this licence; and
  - 14.8.3 any significant adverse environmental and health effects.
- 14.9 Prior written notification must be given to the Director of the following events and within the specified timeframes:
- 14.9.1 as soon as practicable prior to the permanent cessation of any operational activities;
  - 14.9.2 partial cessation of the operational activities for a period likely to exceed 3 (three) months; and
  - 14.9.3 full or partial resumption of the operation of all or part of the activities after a cessation notified under conditions 14.8.1 and 14.8.2 above.

## 15. OPERATIONAL

- 15.1 The Licence Holder shall take all reasonable steps to ensure the Facility is operated in a manner which shall prevent the creation of nuisance conditions or health hazards, such as vectors (flies and vermin), exposed waste, dust, windblown litter, obnoxious odours and noise.
- 15.2 No new waste cell may be developed and the existing waste cells may not be expanded unless authorisation is granted by the Director and plans approved by the Director: RPW.
- 15.3 The Licence Holder must ensure the health and safety of workers and employees on the Facility, in terms of Occupational Health and Safety Act, 1993 (Act No. 85 of 1993).
- 15.4 If more than 80m<sup>3</sup> of hazardous waste is going to be stored at the Facility, registration in terms of the relevant NEM:WA National Norms and Standards for the Storage of Waste (Government Notice No. 926 of 29 November 2013) must be adhered to.
- 15.5 Any complaint from the public must be attended to by the Licence Holder, who must take all reasonable and practical steps to alleviate the cause of the complaint within a reasonable timeframe to the satisfaction of the Department and record it in terms of condition 12 and 14 of this licence.
- 15.6 Waste may not be burned at the Facility.
- 15.7 The waste body must be progressively constructed towards a pre-determined end-shape, as informed by an airspace determination study.
- 15.8 An Emergency Response Plan (ERP) must be developed, and all staff must be trained in the implementation thereof. The ERP should be regularly updated and must include fire evacuations, injury on duty, accidents, and procedures caused by unexpected hazardous waste ending up at the Facility.
- 15.9 Reclamation of waste may occur at the Facility at the discretion of the Licence Holder, but may not take place on the landfill body and the Licence Holder must adhere to the NEM:WA "National Norms and Standards for the Sorting, Shredding, Grinding, Crushing, Screening or Bailing of General Waste" GN No. 1093 of 11 October 2017. In addition, the NEM:WA "Norms and Standards for Storage of Waste" GN No. 926 of November 2013 and "Waste Tyre Regulations" GN R149 of 29 September 2017, and any subsequent waste tyre regulations must be adhered to where applicable.
- 15.10 All persons reclaiming waste must be wearing suitable personal protection equipment.
- 15.11 The Facility must comply with the Noise Control Regulations P.N. 200/2013, as promulgated under the Environmental Conservation Act, 1989 (Act No. 73 of 1989).

## 16. LEASING AND ALIENATION OF THE FACILITY

- 16.1 Should the Licence Holder want to alienate or lease the Facility, he/she shall notify the Director in writing of such an intention at least 120 (one-hundred and twenty) days prior to the said transaction.

## 17. TRANSFER OF LICENCE

- 17.1 Should the Licence Holder want to transfer holdership of this Licence, he/she must apply in terms of Section 52 of the NEM:WA.
- 17.2 Any subsequent Licence Holder shall be bound by the conditions of this Licence.

## **18. COMMENCEMENT**

- 18.1 The activities hereby licenced may not commence within 20 (twenty) days of the date of signature of this Licence.
- 18.2 Should the Licence Holder be notified by the Director of a suspension of the Licence pending any appeals decision on the authorised activities, he/she may not commence with the activities until authorised by the Director in writing.
- 18.3 After the 20 (twenty) day appeal period has expired and no good cause to extend the appeal period has been submitted, a written notice must be given to the Department that the activity will commence.
- 18.4 The Licence Holder must notify the Department of the pending closure and rehabilitation of the Facility at least one year prior to the airspace capacity being reached.

## **19. GENERAL**

- 19.1 The Licence Holder must retain the responsibility for the Facility and its monitoring after closure according to the Minimum Requirements for Waste Disposal by Landfill (Department of Water Affairs and Forestry Second Edition 1998) (hereafter referred to as "Minimum Requirements") and any relevant Norms and Standards that replace the Minimum Requirements.
- 19.2 The requirements for rehabilitation, closure and end-use according to the Minimum Requirements must be adhered to.
- 19.3 This Licence shall not be construed as exempting the Licence Holder from compliance with the provisions of the Health Act, 2003 (Act No. 61 of 2003), the National Water Act (NWA), 1998 (Act No. 36 of 1998) or any applicable act, ordinance, regulation or by-law.
- 19.4 Transgression of any condition of this Licence could result in the suspension of the Licence by the Department.
- 19.5 This Licence is valid until the waste disposal airspace capacity has been reached. The Licence may be reviewed at any time before that date, Based on the results of the review, especially compliance to Licence conditions or recommendations from the audit reports and or changing legislation, the Licence can be amended or withdrawn or the validity thereof be extended.
- 19.6 Should the Licence Holder want to conduct the waste management activity beyond the airspace capacity, the Licence Holder must apply for a review of the Licence 1 (one) year before the expiry date.
- 19.7 Non-compliance with a condition of this Licence may result in the suspension of the Licence by the Licensing Authority and may render the Licence Holder liable for criminal prosecution or other actions provided for in Section 67(1) of the NEM:WA.
- 19.8 In terms of sections 28 and 30 of the National Environmental Management Act (Act No. 107 of 1998) (NEMA), and sections 19 and 20 of the National Water Act, 1998 (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 Licence Holder'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 environmentally acceptable manner.

- 19.9 The Licence Holder must submit an Organic Waste Diversion Plan to the Director 90 days after the date of issue of this Licence and annually thereafter.
- 19.10 The information within the Organic Waste Diversion Plan must:
  - 19.10.1 provide a status quo of current organic waste sources and volumes disposed at municipal WDFs, and current rates and procedures of organic waste diversion from the Facility; and
  - 19.10.2 set annual targets and identify procedures from 2018 that will be implemented to meet these targets for the diversion of organic waste from municipal WDFs, in order to reach a 50% diversion by the year 2022 and 100% diversion by the year 2027.
- 19.11 The Licence may be reviewed at any time before the waste disposal airspace capacity is reached. Based on the results of the review, especially compliance to Licence conditions or recommendations from the audit reports and/or changing legislation, the Licence can be amended or withdrawn or the validity thereof be extended.

#### **D. APPEAL OF LICENCE**

1. Appeals must comply with the provisions contained in the National Appeal Regulations, 2014 (GN No. 993 of 2014), (as amended).
2. An appellant (if the holder of the decision) must, within 20 (twenty) calendar days from the date of notification of the decision was sent to the holder by the Competent Authority:
  - 2.1. Submit an appeal in accordance with Regulation 4 of the National Appeal Regulations 2014 (as amended) to the Appeal Administrator; and
  - 2.2. Submit a copy of the appeal to any registered I&AP's, any Organ of State with interest in the matter and the decision-maker i.e. the Competent Authority that issued the decision.
3. An appellant (if not the holder of the decision) must, within 20 (twenty) calendar days from the date that the notification of the decision was sent to the registered I&APs by the holder:
  - 3.1. Submit an appeal in accordance with Regulation 4 of the National Appeal Regulations 2014 (as amended) to the Appeal Administrator; and
  - 3.2. Submit a copy of the appeal to the holder of the decision, any registered I&AP, any Organ of State with interest in the matter and the decision-maker i.e. the Competent Authority that issued the decision.
4. The holder of the decision (if not the appellant), the decision-maker that issued the decision, the registered I&AP's and the Organ of State must submit their responding statements, if any, to the appeal authority and the appellant within 20 (twenty) calendar days from the date of receipt of the appeal submission.
5. The appeal and the responding statement must be submitted to the address listed below:

By post: Western Cape Ministry of Local Government, Environmental Affairs and Development Planning

Private Bag X9186

**CAPE TOWN**

8000

By facsimile: (021) 483 4174; or

By hand: Attention: Mr Jaap de Villiers

Room 809

8<sup>th</sup> Floor Utilitas Building

1 Dorp Street

**CAPE TOWN**

8001

**Note:** You are also requested to submit an electronic copy (Microsoft Word format) of the appeal and any supporting documents to the Appeal Administrator to the address listed above and/ or via e-mail to [Jaap.DeVilliers@westerncape.gov.za](mailto:Jaap.DeVilliers@westerncape.gov.za).

6. A prescribed appeal form as well as assistance regarding the appeal processes is obtainable from the office of the Minister at: Tel. (021) 483 3721, Email [Jaap.DeVilliers@westerncape.gov.za](mailto:Jaap.DeVilliers@westerncape.gov.za) or URL <http://www.westerncape.gov.za/eadp>.

**E. DISCLAIMER**

The Western Cape Government, the Local Authority, committees or any other public authority or organisation appointed in terms of the conditions of the Licence shall not be responsible for any damages or losses suffered by the holder, developer or his/her successor in any instance where construction or operation subsequent to construction is temporarily or permanently stopped for reasons of non-compliance with the conditions as set out herein or any other subsequent document or legal action emanating from this decision.

Your interest in the future of our environment is greatly appreciated.

Yours faithfully,



**EDDIE HANEKOM**

**DIRECTOR: WASTE MANAGEMENT**

**DATE OF DECISION: 17-04-2018**

CC (1): Malise Noe (DWS: Resource Protection and Waste)

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## ANNEXURE I

### **A. REASONS FOR THE DECISION (APPEALABLE)**

The reasons for the Licence decision, as well as factors affecting the broader development that were considered to ensure the effective implementation of this Licence, are explained below:

1. The Department conducted a review of selected Permits/WMLs as per Section 53 (1) of the NEM:WA, which states that: "A licensing authority must review a waste management licence at intervals specified in the licence, or when circumstances demand that a review is necessary".
2. The proposed variation was in line with Section 54 (1) (a) and (d) of the NEM:WA, which states that: "(1) A licensing authority may, by written notice to the holder of a waste management licence, vary the licence-

*(a) if it is necessary or desirable to prevent pollution; (and)*

*(d) to make a non-substantive amendment".*

3. The review and subsequent non-substantive amendment was conducted in order to align the Moorreesburg Licence conditions with current waste legislation and repeal the existing Licence (Ref.: 19/2/5/1/F5/17-WL0022/13) issued by the Department, and issue this Licence.

### **B. REASONS FOR THE ORIGINAL DECISION TO ISSUE THE LICENCE (NOT APPEALABLE)**

The Swartland Municipality intends to fully utilise the available airspace before decommissioning and rehabilitating the area, this will occur once the airspace on site has been exhausted. The proposed Closure Plan/Design Methodology is appended to the Final Basic Assessment Report (FBAR) and has been made available for public and authority review and comments.

The determination of the significance of impacts in this study were primarily subjective and qualitative and were drawn from the results of the site inspection, site photographs, issues and concerns raised during the public participation process, potential risk, compliance with laws and polices, the expertise of the project team and previous similar case studies.

All the following information that was available to the Department was taken into account in the Department's consideration of the application:

- (a) The information contained in the Application Form for a Waste Management Licence dated 18 March 2013, compiled by Worley Parsons RSA (Pty) Ltd.
- (b) The Basic Assessment Report (BAR) dated September 2013, compiled by Worley Parsons RSA (Pty) Ltd.
- (c) The Record of Decision issued on 24 February 2014 by the Department of Water Affairs in terms of Section 50 of the NEM: WA.
- (d) Comments raised by Interested and Affected Parties (I&AP's) throughout the Public Participation Process and the applicant and the Environmental Assessment Practitioner's responses thereto.



- (e) Relevant information contained in the Departmental information base.
- (f) The objectives and requirements of relevant legislation, policies and guidelines, including Section 2 of the NEMA.

It is the opinion of the Environmental Assessment Practitioner (EAP) that the Swartland Municipality should be granted authorisation for the operation and subsequent closure of the Moorreesburg Waste Disposal Facility on condition that:

- (a) The mitigation measures as per Sections 6 and 9 of this final Basic Assessment Report must be implemented;
- (b) The Rehabilitation Methodology must be implemented;
- (c) The Operational as well as the Closure and Rehabilitation Environmental Management Programme must be complied with; and
- d) There must be compliance with all Occupational Health and Safety laws and regulations.

A summary of the issues, which, in the Department's view were of the most Significance, are set out below.

## **ALTERNATIVES**

The following alternatives were considered:

### **Design or Layout Alternatives**

The existing waste disposal facility is to be operated until the available air space has been used, closed and rehabilitated. Rehabilitation will include the levelling of the area, capping the waste, layering with top soil and planting of indigenous vegetation. The area will be designed to minimise any potential negative impacts associated with the current waste activity. The infrastructure will remain as the existing drop-off facility.

Hence, no design or layout alternatives are applicable.

### **Technology Alternatives**

Chipping of garden waste and composting were considered, but the volumes of the green waste received are too small to make it financially feasible. This report focuses on operation of the WDF until the last bit of available airspace has been filled with green waste and building rubble. The facility will then be closed and rehabilitated.

### **No-Go Alternatives**

The option of not licensing the operation as well as not closing and rehabilitating the site is not considered appropriate and allowing the activity to continue would be impractical and illegal. The failure to rehabilitate the site according to the required standards may result in unacceptable environmental impact (impacts relating to aesthetic nuisances). The site may then come to be an illegal dumping ground for members of the public.

## **ENVIRONMENT**

The site is not licenced or permitted.

The site is an existing Waste Disposal Facility and therefore there is no natural vegetation remaining on the site.

Surrounding land use is agricultural and low density residential. Surrounding property is completely transformed.

### **Geology**

The landscape can be described as 'undulating plain/low hills'.

Moorreesburg is located in the Swartland Municipal area of South Africa approximately 100km northeast of Cape Town. The landscape of the area predominantly transformed by agriculture (livestock and dry land agriculture) and no natural area is remaining. The area is characterised by low hills/undulating plains. The site is sloped relatively flat and slightly raised above the surrounding ground level due to previous filling and levelling of the site.

Soils are characterised by high clay content and are susceptible to erosion.

### **Geohydrology**

There are no perennial rivers, non-perennial rivers, permanent wetlands, seasonal wetlands, artificial wetlands or estuarine / lagoon wetlands present on and or adjacent to the site.

## **PUBLIC PARTICIPATION PROCESS (PPP)**

The PPP in terms of the 2010 National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA) (EIA) Regulation Government Notice R. 543 (GN R. 543) between 16 May 2012 and 1 March 2013 comprised of the following:

- Notification sent to neighbouring landowners and stakeholders on preliminary stakeholder database 28 June 2013;
- Advert placed in the 'Swat-Hand Gazette' and 'Die Burger' - notification of commenting and registration period 2 July 2013;
- Posters placed on site and at Municipal offices 27 June 2013;
- 40-day I&AP Registration and public review and comment period on draft BAR 2 July – 12 August 2013;
- Notification sent to registered I&AP's and circulation of FBAR 19 August 2013;
- 21-day review and comment period on Final Variation Report 21 August - 11 September 2013;
- Submission of Final Report to DEA&DP on 4 October 2013; and
- Mr. J.P. le Roux's concerns which are raised in his comments, dated 17 July 2013, must be addressed by the applicant as a matter of urgency.

### **Authorities Consultation**

The authorities consulted include the following:

- Cape Nature;
- Department of Water Affairs (DWA) regional office, Western Cape;
- Provincial Department of Health Western Cape;
- DEA&DP, Directorate Pollution Management; and
- West Coast District Municipality.

Comments and recommendations provided by the other relevant authorities have been considered in the evaluation of this application. No authorities objected to the commencement of the activity. Where possible and relevant, the conditions imposed by these authorities have been included in the Waste Management Licence.

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