

DEPARTMENT OF ENVIRONMENTAL AFFAIRS

NO. 351

13 APRIL 2017

NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998
(ACT NO. 107 OF 1998)NOTICE OF INTENTION TO ADOPT GAUTENG PROVINCIAL ENVIRONMENTAL MANAGEMENT
FRAMEWORK (GPEMF) STANDARDS AND EXCLUSION OF ACTIVITIES

I, Bomo Edith Edna Molewa, Minister of Environmental Affairs, hereby give notice of my intention to adopt the Gauteng Provincial Environmental Management Framework (GPEMF) standards and to exclude activities from the requirement to obtain environmental authorisation, in terms of sections 24(2)(d) and 24(10)(a) read with section 24(10)(d) of the National Environmental Management Act, 1998, as set out in the Schedule hereto.

Interested and affected parties are invited to submit, within 30 days of the publication of this notice in the *Gazette*, written representations or objections to this notice to the following address:

By post to: Department of Environmental Affairs
The Director-General
Attention: Ms S Burger
Private Bag X447
PRETORIA
0001

By hand at: Reception, Environment House, 473 Steve Biko Road, Arcadia, Pretoria.

By email: sburger@environment.gov.za

Any inquiries in connection with the notice can be directed to Ms S Burger at Tel: 012 399 9286.

Comments received after the closing date will not be considered.



BOMO EDITH EDNA MOLEWA
DATE:

SCHEDULE

Gauteng Provincial Environmental Management Framework (GPEMF)

**GPEMF STANDARDS AND ASSOCIATED EXCLUDED ACTIVITIES IN TERMS OF THE NEMA, ACT
107 OF 1998 AS AMENDED (*hereinafter referred to as "GPEMF Standards"*)**

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CHAPTER 1

INTERPRETATION, PURPOSE AND APPLICATION

Definitions

1. In these GPEMF Standards, unless the context indicates otherwise, a word defined in the National Environmental Management Act, 1998 (Act No.107 of 1998) or the Environmental Impact Assessment Regulations has the same meaning, and—

“competent authority” means the organ of state that would have been designated by section 24C of the Act, in respect of a listed activity or specified activity;

“days” means calendar days, excluding public holidays and the period of 15 December to 5 January;

“Environmental Impact Assessment Regulations” means the Regulations published in terms of section 24(5) of the Act;

“excluded activity” means an activity identified within this schedule that is excluded from the requirement to obtain an environmental authorisation as contemplated in Appendix 1;

“mitigation measure” refers to a set of actions undertaken as part of a commitment to reduce environmental impacts;

“proponent” refers to the person that intends to undertake an excluded activity and is also responsible for ensuring compliance with these GPEMF Standards;

“registered development” means a development that has been registered with the competent authority;

“the Act” means the National Environmental Management Act, 1998 (Act No. 107 of 1998) as amended;

“Zone 1” means the Urban Development Zone that is intended to streamline urban development activities in it and to promote development infill, densification and concentration of urban development within the urban development zones, as defined in the GPEMF. Furthermore, in context of these excluded activities, any reference to the Urban Edge should be regarded as Urban Development Zone and of which a geographical representation can be found in Appendix 3 and on the departmental website; and

"Zone 5" means the Industrial and Commercial Focus Zone that is intended to streamline non-polluting industrial and large scale commercial (warehouses etc.) activities in areas that are already used for such purposes and areas that are severely degraded but in close proximity to required infrastructure (such as old and even current mining areas), as defined in the GPEMF, of which a geographical representation can be found in Appendix 3 and on the departmental website.

Purpose of this GPEMF Standards

2. The purpose of these GPEMF Standards is to provide rules which must be complied with, ensuring –

- (a) governance of the GPEMF Standards;
- (b) compliance to the principles contained in section 2 of the Act and duty of care, in terms of section 28(1) of the Act;
- (c) sustainable development within Gauteng Province; and
- (d) will negate the need to obtain an environmental authorisation in terms of the Act as provided for in section 24(2)(d) of the Act in relation to an excluded activity.

Application of this GPEMF Standards

3. (1) The provisions of these GPEMF Standards are applicable to activities excluded from acquiring an environmental authorisation as contemplated in Appendix 1 when undertaken within Zone 1 or Zone 5 of the Gauteng province as identified in terms of the adopted Gauteng Provincial Environmental Management Framework (2014).

(2) The provisions of these GPEMF Standards are not applicable to an excluded activity—

- (a) if any part of the footprint of such excluded activity extends outside the boundary of the Zone 1 or Zone 5 for which the exclusion applies; or
- (b) such excluded activity is directly related to prospecting, exploration, including primary processing, of a mineral or petroleum resource.

CHAPTER 2

PROCEDURAL REQUIREMENTS

Notification and registration

4. (1) A proponent must submit to the competent authority the Registration Form which is a request for registration, notification of intent to comply with these GPEMF Standards and declarations as set out in Appendix 4.
- (2) The competent authority must, within 30 days, issue a registration number to the proponent, or, if not satisfied with the information provided, reject the request for registration and notification of intent to comply with the GPEMF Standards.
- (3) The competent authority must, where applicable, draw the attention of the proponent to the fact that an appeal may be lodged against the decision in terms of section 43 of the Act and the National Appeals Regulations, if such appeal is available in the circumstances of the decision.
- (4) The proponent may commence with any excluded activity or activities within 10 years of receipt of the registration number contemplated in subsection (2), and must notify the competent authority, in writing, 14 days prior to such commencement and such notification must include a date on which it is anticipated that any activity will commence.
- (5) Registration lapses if commencement does not occur within 5 years of receipt of the registration number and the process contemplated in subsections (1), (2), (3) and (4) will apply afresh in such instances.
- (6) The competent authority must keep an inventory of all registered developments including as a minimum the —
- (a) name of the proponent;
 - (b) project name and description;
 - (c) registration number;
 - (d) erf number, where development or expansion occurs; and
 - (e) date on which the registration number was issued.
- (7) Proof of registration must be made available—
- (a) on site at all times;

- (b) on request;
- (c) where the proponent or owner has a website, on such publicly accessible website; and
- (d) where the proponent or owner is a member of a formally established industry organisation, to such organisation.

(8) Where change of ownership of a registered development in terms of subsection (2) occurs, the new owner must submit the relevant declaration and details contemplated in Appendix 5 within thirty (30) days upon finalisation of such change.

CHAPTER 3

ENVIRONMENTAL MANAGEMENT SPECIFICATIONS

Environmental Management Specifications

5. The proponent must ensure compliance with the environmental management specifications (Appendix 2) for an excluded activity/ies.

CHAPTER 4

COMPLIANCE

Authority inspections

6. The proponent must provide the competent authority and any authorised official with access to the facility, for the purposes of compliance monitoring of the excluded activity, without prior notification.

Offences and penalties

7. (1) A person is guilty of an offence if that person contravenes or fails to comply with Chapter 2 (1); Chapter 2(8) and Chapter 3(1) of the GPEMF Standards, and is liable for the penalty contemplated in section 49B(1) of the Act.

(2) Compliance with these GPEMF Standards does not negate the need for the proponent to comply with all other applicable legislation.

CHAPTER 5

TRANSITIONAL ARRANGEMENTS

Transitional Arrangements

8. (1) All listed activities that are identified for exclusion from a requirement to obtain an environmental authorisation will be processed under the GPEMF Standards process from the date of gazetting for implementation.

(2) Where an application for environmental authorisation has been lodged by a proponent with the competent authority at the time of the adoption of the schedule, for an activity excluded within this schedule and within the relevant environmental management zone, the proponent will either-

(a) withdraw the application with the competent authority and apply for registration of the excluded activity, or

(b) continue with the process for the application for environmental authorisation through the EIA process, as stipulated in the Environmental Impact Assessment Regulations (2014).

(3) Where the holder of an environmental authorisation for activities contemplated in Appendix 1 of these GPEMF Standards, for which environmental authorisation was issued in terms of the Environment Conservation Act, 1989 (Act No. 73 of 1989) or the Act prior to the coming into effect of these GPEMF Standards and which is still valid at the time of the coming into effect of these GPEMF Standards—

(a) can comply with the provisions of these GPEMF Standards insofar as it relates to excluded activities contemplated in Appendix 1 authorised in such environmental authorisation, such holder must submit the relevant declaration and details contemplated in Appendix 6 within 30 days of the coming into effect of these GPEMF Standards;

(b) cannot comply with the provisions of these GPEMF Standards insofar as it relates to excluded activities contemplated in Appendix 1 authorised in such environmental authorisation, that environmental authorisation will remain valid as indicated in the content of such environmental authorisation and these GPEMF Standards will apply to

activities contemplated in Appendix 1 not covered by such environmental authorisation and which commences after the coming into effect of these GPEMF Standards.

(4) The competent authority must, within 30 days of receipt of the information contemplated in subsection (3)(a), acknowledge receipt thereof and issue a registration number to the proponent.

(5) On issuance of a registration number contemplated in subsection (4), the environmental authorisation will be deemed to be superseded by these GPEMF Standards insofar as the environmental authorisation relates to the development and related operation and expansion and related operation of facilities or infrastructure for activities as contemplated in Appendix 1.

(6) An application for environmental authorisation submitted in terms of the Environmental Impact Assessment Regulations for excluded activities contemplated in Appendix 1 of these GPEMF Standards and which application is pending when these GPEMF Standards takes effect, may be dispensed in terms of such Regulations wherein an environmental authorisations is issued, where-after subsection (3) will apply, provided that the reference to 30 days in subsection (3)(a) is read as within 30 days of the date of the environmental authorisation.

(7) If a holder of an environmental authorisation contemplated in subsection (3)(a) or subsection (6) does not submit the relevant declaration and details contemplated in Appendix 4 within the prescribed timeframe, subsection (3)(b) will be deemed to apply.

APPENDIX 1: EXCLUDED ACTIVITIES**Environmental Impact Assessment Regulations, 2014 Listing Notice 1**

(1) The activities listed are the identified activities for Listing Notice 1 that are excluded from the requirement to obtain an environmental authorisation, within Zone 1:

- a) Activity 6;
- b) Activity 9;
- c) Activity 10 (will only be permissible for developments relating to the bulk transportation of sewage in Zone 1);
- d) Activity 11;
- e) Activity 13;
- f) Activity 27;
- g) Activity 28 (i);
- h) Activity 44;
- i) Activity 45;
- j) Activity 46 (will only be permissible for development expansions relating to the bulk transportation of sewage in Zone 1);
- k) Activity 47;
- l) Activity 50;
- m) Activity 56;
- n) Activity 57 (will only be permissible for development expansions relating to the treatment of sewage in Zone 1);
- o) Activity 63;
- p) Activity 64; and
- q) Activity 66.

(2) The activities listed are the identified activities for Listing Notice 1 that are excluded from the requirement to obtain an environmental authorisation, within Zone 5:

- a) Activity 6;
- b) Activity 9;
- c) Activity 10;
- d) Activity 11;
- e) Activity 13;
- f) Activity 14;

- g) Activity 25;
- h) Activity 36;
- i) Activity 38;
- j) Activity 39;
- k) Activity 40;
- l) Activity 41;
- m) Activity 43;
- n) Activity 44;
- o) Activity 45;
- p) Activity 46;
- q) Activity 47;
- r) Activity 50;
- s) Activity 51;
- t) Activity 56;
- u) Activity 57;
- v) Activity 63;
- w) Activity 64; and
- x) Activity 66.

Environmental Impact Assessment Regulations, 2014 Listing Notice 2

(1) The activities listed are the identified activities for Listing Notice 2 that are excluded from the requirement to obtain an environmental authorisation, within Zone 1:

- a) Activity 9; and
- b) Activity 11.

(2) The activities listed are the identified activities for Listing Notice 2 that are excluded from the requirement to obtain an environmental authorisation, within Zone 5:

- a) Activity 4;
- b) Activity 7;
- c) Activity 9; and
- d) Activity 11.

APPENDIX 2

GPEMF EXCLUDED ACTIVITIES IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998 (NEMA), ACT 107 OF 1998

GENERALLY APPLICABLE ENVIRONMENTAL MANAGEMENT SPECIFICATIONS (should be applied in conjunction with the Activity Specific Standards)**Generally Applicable Minimum Standards (Construction phase)**

- 1) All working areas must be supplied with proper sanitation facilities (at least one for every twenty workers).
- 2) No open fires are allowed on site for any purposes.
- 3) During construction and operational phase, the holder of the Registration letter must ensure that there is firefighting equipment on site that is properly working and maintained with trained operators in the event of accidental fires. Fire-fighting equipment must be tested regularly for operation and workers must be trained in the use of such equipment.
- 4) Evidence of environmental awareness training for all employees must be kept on site. Employees must be fully inducted on environmental management measures applicable on site.
- 5) Site management must be done in a manner that prevents pollution.

Minimum Air Quality Standards (Construction phase)

- 1) Development activities must avoid the generation of pollutants such as particulate emissions to ensure that the negative effects of such pollutants on human health are prevented or reduced as set out in SANS 1929:2011 Ambient air quality – Limits for common pollutants and National Dust Control Regulations (as amended).
- 2) Best practice measures intended at minimising or avoiding dust/offensive odours must be implemented during construction phase.

Minimum Noise Standards (Construction phase)

- 1) The construction activities must manage and mitigate the generation of noise, relating to –
 - (a) construction vehicles and equipment used on site;
 - (b) night-time (from 5pm to 7am) construction must be avoided; and
 - (c) blasting that may be taking place must be controlled and communicated.

Minimum Storm Water Management Standards (Construction phase)

- 1) The development must include measures to manage and avoid the pollution of storm water.
- 2) Installation of storm water systems must be done during construction activities.

- 3) Management of storm water runoff, (in accordance with the South African guidelines for sustainable drainage systems), must take place as close to the source as possible, according to the hierarchy listed below-
- 3.1) At source storm water management through inclusion of the following or similar into the development where practically possible:
 - a. green roofs;
 - b. rainwater harvesting;
 - c. permeable pavements and parking areas; and
 - d. soakaways.
 - 3.2) Local control for storm water runoff management, typically within the road reserves through inclusion of the following or similar into the development where practically possible:
 - a. bio-retention areas;
 - b. filter strips;
 - c. infiltration trenches;
 - d. sand filters; and
 - e. swales.
 - 3.3) Regional controls to manage combined storm water runoff from several developments through inclusion of the following or similar into the development where practically possible:
 - a. constructed wetlands;
 - b. detention ponds; and
 - c. retention ponds.
4. The management of storm water must ensure that additional runoff water is stored and released at a rate that will not impact negatively on the natural flow capacity of rivers, wetlands and streams, where practically possible.
5. Networks for blue (rivers, wetlands, dams etc.) and green (parks, gardens etc.) open spaces and corridors must serve as an element in drainage infrastructure.
6. Measures must be taken in design and construction of developments to account for flood conveyance during storm occurrences.
7. Measures must be taken in design and construction of urban waterways to mitigate the impact on aquatic systems within and downstream of the area surrounding the development.
8. Design principles must keep water in the landscapes and promote lush and well-irrigated vegetation.
9. Storm water retention facilities must incorporate an additional 15% to 20% capacity to cater for potential higher runoff events that are likely to occur as a result of climate change.
10. Design structures and infrastructure to accommodate 1:100 year flood events.
11. Where standards are dependent on the water use authorisation and its associated conditions, these must be adhered to.

Minimum Visual Standards (Construction phase)

- 1) The development activities must include measures to avoid, manage and mitigate visual impacts, including but not limited to –
 - (a) Configuration of construction sites to reduce visual intrusions –
 - i. Siting of waste storage facilities;
 - ii. Change rooms and ablution facilities;
 - (b) Siting of developments in relation to sensitive features.
 - (c) Appropriate screening measures during construction to reduce visual impacts.
 - (d) Limited use of highly reflective materials and paints.
 - (e) Reduce lighting up biodiversity features i.e. wetlands, ridges etc.
- 2) To blend in with the surrounding landscapes, neutral colour pallets for structures must be used.

Minimum Hazardous Substances Standards (Construction phase)

- 1) The relevant Material Safety Data Sheets must be available on site.
- 2) The storage, use and disposal of hazardous substances, including containers, must be in accordance with the relevant Material Safety Data Sheets.
- 3) Hazardous substances must be stored in a manner that doesn't affect watercourse.
- 4) Storage areas containing hazardous substances / materials must be clearly signposted.
- 5) Contamination of water, soil and air from seepage or spillage into ground water must be avoided at all times.
- 6) Health impacts on nearby inhabitants and/or ecosystems and organisms must be avoided, managed and mitigated.
- 7) Preventative measures must be implemented to avoid the occurrence of fires, spillages and/or explosions of hazardous materials from the site.

Minimum Waste Standards (Construction)

- 1) The waste must be separated on site to support "Reduce, Re-use, Recover and only Dispose safely" as the last option.
- 2) Waste must be contained in the storage containers and free from odour that could cause nuisance as set out in the National Norms and Standards for the Storage of Waste, 2013 or as amended.
- 3) No burning of waste on site and all waste must be disposed of at a licensed waste disposal facility or in line with the conditions of a valid waste licence.
- 4) Refuse bins must be placed at strategic positions to prevent littering and visual impact.
- 5) All recyclable waste generated on site must be separated into the main line recyclables i.e. paper, plastics, glass, tins and tyres (PPGTT) and building rubble.
- 6) Non-recyclable waste must be disposed of on a licensed waste disposal facility.
- 7) Skip waste containers must be maintained on site and collected regularly from the site.
- 8) Waste stock piles stored in open areas must be covered with an impermeable cover.
- 9) Weatherproof, durable and legible signs in at least 3 (three) official languages applicable in the area must be displayed at each entrance to the facility.

10) No waste must be buried on site.

11) Waste transporters must be registered on Gauteng Waste Information Systems (GWIS).

Minimum Water Quality Standards (Construction phase)

1) Where water quality is above discharge prescribed limits in the current relevant wastewater discharge standards, suitable and adequate treatment measures must be taken prior to discharge during the operational stage.

2) During construction, mixing of concrete must be done in such a manner that surface and / or ground water will under no circumstances be contaminated.

3) Contaminated runoff from the development must not affect water resources.

4) Vehicles and equipment must be serviced in the manner that does not impact the sensitive features.

5) Contaminated material must be handled and disposed of in a manner that does not contaminate soil, surface and ground water resources.

6) The sewage management system must be designed and operated in a manner that does not affect the health, and safety of people as well as the environmental resources.

Minimum Water Resource Standards (Construction phase)

1) The proponent must position the activity in a manner that prevents pollution of watercourses.

2) A 32 metre buffer zone is required from the edge of the riparian zone for rivers or streams.

3) A 30 metre buffer zone is required from the outer edge of the wetland temporary zone.

4) For storm water discharge, a buffer of 100 – 250 metres wide must be maintained between the storm water outflow and the outer boundary of the wetland

(a) The buffer must have mechanisms for dissipating water energy and spreading and slowing water flow and preventing erosion.

5) Where a linear development will run alongside a wetland and intercept natural hill slope runoff into the wetland -

(a) The development must be set back from the boundary of the wetland by at least 50 metres; and

(b) Feed-off points, if applicable, must be included at frequent intervals along the development (at least every 100 metres) and the outflows of these must conform to the requirements of the storm water outflows.

6) No development may take place within the 1:100 year floodline.

7) Contaminated drainage must not drain into wetlands.

8) Any development taking place on dolomitic land must first seek approval from the Council for Geoscience to ensure that the necessary geotechnical investigation is undertaken before construction can commence.

9) Access roads must avoid drainage lines; if this is not possible then substrate continuity must be maintained between the drainage line surfaces.

10) Where standards are dependent on the water use authorisation and its associated conditions, these must be adhered to.

Minimum Biodiversity Standards (Construction phase)

- 1) Prior to construction, perimeter fences must be erected in such a manner to prevent access and negative impact to any sensitive areas.
- 2) During all phases of the development, the infestation of alien and invasive plant species must be controlled on site and indigenous species must be used for rehabilitation.
- 3) During construction, vegetation clearing must be minimised to the development footprint.
- 4) Disturbance or mortality of indigenous fauna must be minimised through avoiding roosting and nesting sites, migration pathways, flight paths and/or feeding grounds of threatened fauna in sensitive areas, as far as practically possible, by all components of the development.
- 5) No lethal forms of predator control may be used.
- 6) All caves are designated as sensitive and a development must not occur in the 500 metre buffer.
- 7) All activities must be undertaken in manner that does not impact on the breeding of Red List bird species that could potentially occur on site.
- 8) In order to minimize artificially generated surface storm-water runoff, total sealing of paved areas such as parking lots, driveways, pavements and walkways must be avoided. Permeable surfaces must be used where possible on site to prevent surface water runoff from creating artificial waterbodies.
- 9) Where threatened ecosystems are encountered and they are not designated as listed by GDARD within Zone 1 and 5, then the developer must ensure that the development landscaping facilitates the conservation of the remaining ecosystem on the development site.

Minimum Standards for Pollution Buffers (Construction phase)

- 1) Buffer zones for pollution sources from various industrial facilities, sewage treatment works, landfill sites, mine slimes and ash dumps must be adhered to, to ensure healthy and safe environments, and to reduce nuisance to developments, and to protect populations from potential risks.
- 2) The specific sizes for the preferred pollution buffer or minimum pollution buffer must be complied with:

Best case buffer of 1500m and worst case buffer of 750m must be maintained in Category 1 industries which include those associated with:

- Large volumes of air pollution;
- Producing effluent and / or solid waste;
- Excessive noise, including those with railway infrastructure incorporating shunting yards; and
- Power generation sources.

Best case buffer of 500m and worst case buffer of 250m must be maintained in Category 2 industries which include those associated with:

- General manufacturing with less significant emissions;
- Noisy operations;
- Noisy service industries; and

- Certain agricultural industries.

Best case buffer of 100m and worst case buffer of 50m must be maintained in Category 3 industries which include those associated with:

- Clean manufacturing processes with little effluent or other nuisance factors;
- High-technology research and development activities;
- Industries centred around warehousing and distribution operations with low noise levels; and
- Industries centred around packaging operations.

Best case buffer of 800m and worst case buffer of 500m must be maintained for Sewage treatment works

These facilities for the storage of raw sewage, treatment, processing and safe disposal or release into the natural environment have the potential for water, groundwater and air pollution.

Best case buffer of 400m and worst case buffer of 200m must be maintained for General Landfill sites (Communal, small, medium and large). Best case buffer of 2000m and worst case buffer of 1000m must be maintained for Hazardous Landfill sites

Best case buffer of 100m and worst case buffer of 0m must be maintained for Mine dumps (rock dumps or stockpiles)

Best case buffer of 1000m and worst case buffer of 500m must be maintained for Mine slimes dams and ash dumps

Best case buffer of 5000m and worst case buffer of 2000m must be maintained for The Pelindaba nuclear facility complex

Minimum Ridge Standards (Construction)

- 1) The following ridges buffer sizes must be adhered to for all the Excluded Activities within Environmental Management Zone 1 and Zone 5. All developmental activities must comply with the criteria set aside in the 4 classes of the Development Guideline for Ridges (2001), or as amended.

- (a) class 1 (1 – 0.5 % transformed);
- (b) class 2 (5 – 35 % transformed);
- (c) class 3 (35 – 65 % transformed);

(d) class 3 (A) Low impact development areas; and (e) class 3 (B) High impact development areas (f) class 4 (65 - 100 % transformed) 2) If the ridge exists in class 1, 2, 3 the proponent must ensure compliance with the following specifications- (a) No further development or subdivision of the delineated ridge will be allowed in zone 1 and zone 5. (b) If the proponent wants to deviate from the strict no-go policy, an EIA process must be undertaken. (c) Only low impact activities with an ecological footprint of 5% or less will be permitted in the 200 metres buffer zone for class 1, 2, 3 and 4 ridges. (d) d) If the ridge exists in class 4 and in the event that the following exemptions don't apply- (i) a Red Data species is recorded for the ridge; (ii) the open space is 4 hectares or larger; and (iii) surrounding community/landowners object. 2) Development activities that are not in contravention with the Ridges Guideline must continue while taking the following into consideration: (a) No shining lights must be pointed towards the ridges to ensure minimal disturbance on the biodiversity; (b) No emission of effluents or waste dumping should be permitted on the ridges. Minimum Standards for Soil Conservation (Construction) 1) Topsoil from construction activities must be stockpiled in a suitable manner to prevent loss. 2) Compaction of the topsoil must not inhibit vegetation growth. 3) Contamination of topsoil stockpiles must be prevented to ensure vegetation growth at a later growth. 4) Topsoil must be kept separate from overburden and must not be used for infilling. 5) Overburden (soil/rocks) material must be disposed-of safely at a licensed facility. 6) Topsoil with its seedbank must be used in landscaping. 7) Shaping of remaining profile must blend in with the gradients of the surrounding landscape. 8) Soil erosion control measures must be implemented on site during all phases of the development. 9) Topsoil stockpile must not cause visual impact in the area. Minimum Heritage Standards (Construction) 1) All workers on site must notify the Engineer should the archaeological or historical objects of value be found on site.	
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- 2) Development activities that expose the palaeontological (fossils) landscape, archaeological remains, historical built urban structures (older than 60 years) and burial grounds and graves must be cordoned off, and consultation to seek relevant permission immediately carried out with the relevant Heritage Resources Agency.
- 3) Should an object of archaeological importance be identified, work in that area should be stopped and the incident should immediately be reported to a museum preferably with an archaeologist for further investigation. Any finds must be reported to the nearest National Monuments office to comply with the National Heritage Resources Act (Act No 25 of 1999).
- 4) Local museums as well as the South African Heritage Resource Agency (SAHRA) must be informed if any artefacts are uncovered in the affected area.
- 5) Any destruction of a site with archaeological or historical objects can only be allowed once a permit is obtained and the site has been mapped and noted.

ACTIVITY SPECIFIC ENVIRONMENTAL MANAGEMENT SPECIFICATIONS

ACTIVITIES	ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS LISTING NOTICE 1 OF 2014	ZONE 1 & / or ZONE 5
Activity 6	ACTIVITY SPECIFIC ENVIRONMENTAL MANAGEMENT SPECIFICATIONS ALL GENERALLY APPLICABLE ENVIRONMENTAL MANAGEMENT SPECIFICATIONS APPLIES plus the Activity Specific Standards below Generally Applicable Management Standards (Construction and Operational phase) 1) Measures to prevent interbreeding between the indigenous and exotic species within the controlled farming environment must be implemented. 2) Measures must be put in place to mitigate the transmission and control of disease, and control of predatory species posing a threat to indigenous species. 3) When the process failure occur leading to death of animals, disposal of carcasses must be done at a permitted landfill site to contain environmental and social impacts. Minimum Waste Standards (Construction and Operational phase) 1) Waste (solids and dissolved nutrients) must be disposed of safely to prevent the development of algal blooms in natural environment.	1 & 5
Activity 9	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES plus the Activity Specific Standards below Minimum Noise Standards (Construction phase) 1) Water pumps must be housed in a fully enclosed brick structure or other suitable building to reduce the impact of noise generated from the pumps. Minimum Waste Standards (Construction phase) 1) Storm water transportation facilities must be developed in manner to avoid blockages and be kept free of litter to prevent flooding in residential areas. Minimum Hazardous Substances Standards (Construction phase) 1) Water pumps must be stored in a bunded area to contain fuel to avoid leaks or spillages.	1 & 5

ACTIVITIES	ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS LISTING NOTICE 1 OF 2014 ACTIVITY SPECIFIC ENVIRONMENTAL MANAGEMENT SPECIFICATIONS	ZONE 1 & / or ZONE 5
Activity 10	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards below</i> Minimum Noise Standards (Construction and Operational phase) 1) Water pumps must be housed in a fully enclosed brick structure or other suitable building to reduce the impact of noise generated from the pumps. Minimum Waste Standards (operational phase) 1) Storm water transportation facilities must be kept free of litter to prevent flooding in residential areas. Minimum Hazardous Substances Standards (Construction and Operational phase) 1) Water pumps must be stored in a bunded area to contain fuel (diesel or oil) should there be leaks or spillages. Minimum Water Quality Standards (Construction and Operational phase) 1) Planned and scheduled monitoring of water transportation facilities for leakages must be undertaken during the operation to mitigate the associated risks.	1 & 5
Activity 11	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards below</i> Minimum Visual Standards (Construction phase) 1) Siting of new transmission lines should conform to the required buffer zone from the nearest residential areas to prevent impact on people and equipment. 2) An existing utility corridor should be utilised (shared) to mitigate environmental and social impacts of a new transmission line.	1 & 5

ACTIVITIES	ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS LISTING NOTICE 1 OF 2014	ZONE 1 & / or ZONE 5
	ACTIVITY SPECIFIC ENVIRONMENTAL MANAGEMENT SPECIFICATIONS Minimum Biodiversity Standards (Construction phase) 1) Anti-collision devices such as bird flappers must be installed where powerlines cross corridors that are associated with flight pathways.	
Activity 13	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES plus the Activity Specific Standards below Minimum Water Quality Standards (Construction phase) 1) Construction of water storage facilities must not lead to disruption of ecological functioning of the river downstream such as reduction of water flow, destruction of habitat and breeding grounds for aquatic species. Minimum Biodiversity Standards (Construction phase) 1) Location of construction sites should facilitate habitat connectivity.	1 & 5
Activity 14	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES plus the Activity Specific Standards below Generally Applicable Minimum Standards (Construction and Operational phase) 1) The area where dangerous goods are stored above ground must be bunded to contain the quantities of goods stored on site during an incident. Minimum Air Quality Standards (Construction and Operational phase) 1) Facility management must ensure that measures are put in place to protect the environment and the people from exposure to harmful gases. Minimum Hazardous Substances Standards (Construction and Operational phase) 1) Contaminated effluent or storm water run-off must be contained and disposed of safely.	5

ACTIVITIES	ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS LISTING NOTICE 1 OF 2014 ACTIVITY SPECIFIC ENVIRONMENTAL MANAGEMENT SPECIFICATIONS	ZONE 1 & / or ZONE 5
Activity 25	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES plus the Activity Specific Standards below Minimum Visual Standards (Construction and operational phase) 1) Management must prevent the prevalence of conditions that are offensive to sight and smell as well as the spread of diseases. Minimum Waste Standards (Construction and Operational phase) 1) Sewage sludge from Waste Water Treatment Plant must be managed to avoid spread of diseases, odours, surface and ground water pollution. Minimum Water Quality Standards (Construction and Operational phase) 1) Pathogens and inherent risks in wastewater treatment plants must be managed to meet the effluent discharge standards set by the local municipality.	5
Activity 27	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES plus the Activity Specific Standards below Minimum Air Quality Standards (Construction) 1) Development activities must avoid the generation of pollutants such as particulate emissions to ensure that the negative effects of such pollutants on human health are prevented or reduced as set out in SANS 1929:2011 Ambient air quality – Limits for common pollutants and National Dust Control Regulations (as amended).	1
Activity 28	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES plus the Activity Specific Standards below	1

ACTIVITIES	ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS LISTING NOTICE 1 OF 2014 ACTIVITY SPECIFIC ENVIRONMENTAL MANAGEMENT SPECIFICATIONS	ZONE 1 & / or ZONE 5
	Minimum Air Quality Standards (Construction) 1) Development activities must avoid the generation of pollutants such as particulate emissions that have negative effects on human health are prevented or reduced as set out in SANS 1929:2011 Ambient air quality – Limits for common pollutants and National Dust Control Regulations (as amended).	
Activity 36	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards below</i> Minimum Visual Standards (Construction) 1) The location of photovoltaic solar plant must not contradict provincial land use priorities such as provision of agricultural land and services, housing etc. Minimum Biodiversity Standards (Construction) 1) The location of photovoltaic solar plants must not contribute to habitat loss, biodiversity and damage/deterioration to the natural ecosystem and functioning in the province.	5
Activity 38	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards below</i> Generally Applicable Minimum Standards (Operational phase) 1) The management of abattoirs or slaughterhouse activities must be in accordance with the GDARD's <i>Guideline Manual for The Management of Abattoirs and other waste of animal origin of 2009.</i> Minimum Water Resources Standard (Construction and Operation) 1) Water efficient approaches and technologies must be adopted to reduce water demand in the operational processes of abattoirs or slaughterhouses. Minimum Waste Standards (Construction and Operational phase)	5

ACTIVITIES	ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS LISTING NOTICE 1 OF 2014 ACTIVITY SPECIFIC ENVIRONMENTAL MANAGEMENT SPECIFICATIONS	ZONE 1 & / or ZONE 5
	1) The disposal of waste products from animal pens, offal processing, carcass processing, bleeding and by-products processing from slaughter houses must not affect the water quality and the ecological functioning in the nearby waterbodies.	
Activity 39	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES plus the Activity Specific Standards below Minimum Air Quality Standards (Construction and Operational phase) 1) Management practices in farming environment must manage manure in a manner that reduces nuisance as a result of extensive odour. 2) Alternative measures of generating energy from methane should be explored to reduce dependence on fossil fuels and align to sustainable farming practises. 3) Grazing patterns must be managed to reduce soil erosion and generation of dust from animal trampling. Minimum Water Resource Standards (Construction and Operational phase) 1) Animals must not have access to the waterbodies to prevent water contamination for downstream users. 2) Pollution of adjacent waterbodies as a result of run-off of animal waste, pesticides, chemicals, fertilizers must be prevented.	5
Activity 40	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES plus the Activity Specific Standards below Minimum Air Quality Standards Operational phase)	5

ACTIVITIES	ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS LISTING NOTICE 1 OF 2014 ACTIVITY SPECIFIC ENVIRONMENTAL MANAGEMENT SPECIFICATIONS	ZONE 1 & / or ZONE 5
	1) Manure must be stored in the manner that does not adversely affect the air quality of the area as a result of odour. 2) The operation of the poultry farm must not lead to the generation of flies, rodents and other pests that carry diseases and local nuisance. Minimum Water Resources Standards (Operational phase) 1) The use of pesticides on site must not lead to the contamination of surface and ground water. Minimum Water Resources Standards (Operational phase) 1) Wastewater discharge must not exceed the limit set by the local municipality for sewer discharges. 2) Wastewater must be managed in a manner that prevents acidification and eutrophication of the local stream/rivers.	
Activity 41	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards below</i> Generally Applicable Minimum Standards (Operational phase) 1) Measures to prevent of interbreeding between the indigenous and exotic species within the controlled farming environment must be implemented. 2) Measures must be put in place to mitigate the transmission and control of disease, and control of predatory species posing a threat to indigenous species. 3) When the process failure occur leading to death of animals, disposal of carcasses must be done at a permitted landfill site to contain environmental and social impacts. Minimum Waste Standards (Operational phase) 1) Waste (solids and dissolved nutrients) must be disposed of safely to prevent the development of algal blooms in natural environment.	5
Activity 43	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards below</i>	5

ACTIVITIES	ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS LISTING NOTICE 1 OF 2014 ACTIVITY SPECIFIC ENVIRONMENTAL MANAGEMENT SPECIFICATIONS	ZONE 1 & / or ZONE 5
Activity 44	Generally Applicable Minimum Standards (Operational phase) 1) Management activities must put biosecurity measures in place to reduce the risk of diseases exposure amongst animals, workers and local communities. 2) A clear plan for the safe disposal of carcasses must be in place to prevent illegal dumping of carcasses on the environment. 3) Alternative renewable sources of electricity must be explored to mitigate the greenhouse gas emission associated with the activity. Minimum Air Quality Standards Operational phase) 1) Management activities must control the odour from biological waste and effluent to mitigate social impacts. 2) Operational activities must explore the use of alternative renewable electricity to mitigate the greenhouse gas emission. Minimum Water Quality Standards (Operational phase) 1) Effluent discharge from the facility processes must be done in a manner that does not result in reduction of surface water quality on the adjacent streams. Minimum Waste Resource Standards (Operational phase) 1) Water efficient measures for processing products must be implemented to reduce consumption and mitigate risks on business continuity when water supply is limited. Minimum Waste Standards (Operational phase) 1) Green waste generated from the agri-industrial complexes must not be disposed of but utilised to make compost or any other processes downstream.	1 & 5
	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES plus the Activity Specific Standards below	1 & 5

	ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS LISTING NOTICE 1 OF 2014	ZONE 1 & / or ZONE 5
ACTIVITIES	ACTIVITY SPECIFIC ENVIRONMENTAL MANAGEMENT SPECIFICATIONS	
	Minimum Visual Standards (Construction) 1) Cemeteries must have a perimeter wall to provide a buffer between the graveyard and adjacent communities. Minimum Water Quality Standards (Construction) 1) Geotechnical studies must be undertaken to avoid location of cemeteries on dolomitic ground.	
Activity 45	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES plus the Activity Specific Standards below Generally Applicable Minimum Standards (Operational phase) 1) Access to the trenches/channels dug for the installation of transportation infrastructure must be limited to prevent animal and unsuspecting people from falling into the trenches. Minimum Noise Standards (Construction) 1) Water pumps must be housed in a fully enclosed brick structure or other suitable structure designed to reduce the impact of noise generated from the pumps. Minimum Waste Standards (Construction phase) 1) Storm water transportation facilities must be designed in manner to avoid clogging by litter to prevent flooding in residential areas. Minimum Hazardous Substances Standards (Construction phase) 1) Water pumps must be stored in a bunded area to contain fuel should there be leaks or spillages.	1 & 5
Activity 46	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES plus the Activity Specific Standards below	1 & 5

ACTIVITIES	ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS LISTING NOTICE 1 OF 2014 ACTIVITY SPECIFIC ENVIRONMENTAL MANAGEMENT SPECIFICATIONS	ZONE 1 & / or ZONE 5
	Minimum Noise Standards (Construction and Operational phase) 1) Water pumps must be housed in a fully enclosed brick structure or other suitable building to reduce the impact of noise generated from the pumps. Minimum Waste Standards (Operational phase) 1) Storm water transportation facilities should be kept free of litter to prevent flooding in residential areas. Minimum Hazardous Substances Standards (Construction phase) 1) Water pumps must be stored in a bunded area to contain fuel should there be leaks or spillages. Minimum Water Quality Standards (Construction and Operational phase) 1) Monitoring of transportation facilities for leakages must be undertaken during the operation to prevent contamination.	Only be permissible for development expansions relating to the bulk transportation of sewage in Zone 1
Activity 47	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES plus the Activity Specific Standards below Minimum Visual Standards (Construction phase) 1) Siting of new transmission lines should conform to the required buffer zone from the nearest residential areas to prevent impact on people and equipment. 2) An existing utility corridor should be utilised (shared) to mitigate environmental and social impacts of a new transmission line. Minimum Biodiversity Standards (Construction phase) 1) Anti-collision devices such as bird flappers must be installed where powerlines cross corridors that are associated with flight pathways.	1 & 5

ACTIVITIES	ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS LISTING NOTICE 1 OF 2014 ACTIVITY SPECIFIC ENVIRONMENTAL MANAGEMENT SPECIFICATIONS	ZONE 1 & / or ZONE 5
Activity 50	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards below</i> Minimum Water Quality Standards (Construction phase) 1) Expansion of water storage facilities must not lead to disruption of ecological functioning of the river downstream. Minimum Biodiversity Standards (Construction phase) 1) The expansion of the dam should facilitate habitat connectivity and movement of aquatic species.	1 & 5
Activity 51	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards below</i> Generally Applicable Minimum Standards (Operational phase) 1) The area where dangerous goods are stored above ground must be banded to contain the quantities of goods stored on site during an incident. Minimum Air Quality Standards (Construction and Operational phase) 1) Facility management to ensure that measures are put in place to protect the environment and people from exposure to harmful gases. Minimum Hazardous Substances Standards (Construction phase and Operational phase) 1) Contaminated effluent or storm water run-off must be contained and disposed of safely. 2) Occupational Health and Safety system must be implemented to mitigate the occurrence of incidents such as explosions and underground leakages. Minimum Waste Standards (Construction and Operational phase) 1) Effluents should be managed in a manner that does not contaminate storm water and surface water.	5

ACTIVITIES	ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS LISTING NOTICE 1 OF 2014 ACTIVITY SPECIFIC ENVIRONMENTAL MANAGEMENT SPECIFICATIONS	ZONE 1 & / or ZONE 5
Activity 56	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards below</i> Minimum Storm Water Management Standards (Construction phase) 1) The design of storm water culverts should enable flow of water to avoid flooding of the road. 2) The storm water channels and culverts should be designed in a manner to avoid clogging by litter that may block the flow of water. Minimum Biodiversity Standards (Construction phase) 1) The design of the road must minimise habitat loss and fragmentation which may affect sustainability of local biodiversity and ecosystems. Minimum Standards for Soil Conservation (Construction phase) 1) The design of storm water channels must minimise soil erosion as a result of increased velocity from hardened road surfaces.	1 & 5
Activity 57	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards below</i> Minimum Air Quality Standards (Operational phase) 1) Best practice measures intended at minimising or avoiding offensive odours must be implemented at all times. Minimum Visual Standards (Operational phase) 1) Management must prevent the prevalence of conditions that are offensive to sight and smell as well as the spread of diseases. Minimum Waste Standards (Operational phase) 1) Sewage sludge from Waste Water Treatment Plant must be managed to avoid spread of diseases, odours and surface and ground water pollution.	1 & 5 Only be permissible for development expansions relating to the treatment of sewage in Zone 1

ACTIVITIES	ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS LISTING NOTICE 1 OF 2014 ACTIVITY SPECIFIC ENVIRONMENTAL MANAGEMENT SPECIFICATIONS	ZONE 1 & / or ZONE 5
	2) Waste generated from the treatment facility must be disposed at a licensed landfill site. Minimum Water Quality Standards (Operational phase) 1) Pathogens and inherent risks in wastewater treatment plants must be managed to meet the effluent discharge standards set by the local municipality.	
Activity 63	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards below</i> Minimum Noise Standards (Construction and Operational phase) 1) Water pumps must be housed in a fully enclosed brick structure or other suitable building designed to reduce the impact of noise generated from the pumps. Minimum Waste Standards (Construction phase) 1) Storm water transportation facilities must be designed in manner to avoid clogging by kept free of litter to prevent flooding in residential areas Minimum Hazardous Substances Standards (Construction phase) 1) Water pumps must be stored in a bunded area to contain fuel should there be leaks or spillages.	1 & 5
Activity 64	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards below</i> Minimum Air Quality Standards (Construction phase) 1) Best practice measures to minimise emission of exhaust gases and noise must be implemented. Minimum Storm Water Management Standards (Construction phase)	1 & 5

ACTIVITIES	ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS LISTING NOTICE 1 OF 2014 ACTIVITY SPECIFIC ENVIRONMENTAL MANAGEMENT SPECIFICATIONS	ZONE 1 & / or ZONE 5
	1) Fuel, chemicals and other pollutant spillages must be prevented from coming into contact with the soil and entering the waterbodies. 2) The design of storm water culverts should enable flow of water to avoid flooding of the road. 3) The storm water channels and culverts must be designed in a manner to avoid clogging by litter that may block the flow of water. Minimum Biodiversity Standards (Construction phase) 1) The design of the railway lines must minimise habitat loss and fragmentation which may affect sustainability of local biodiversity and ecosystems. Minimum Noise Standards (Construction phase) 1) The design of the railways lines must incorporate the installation of noise reduction equipment to minimise impact on the adjacent communities. Minimum Waste Standards (Construction phase) 1) Storage and disposal of used oil must be done legally in a manner that promotes environmental protection and integrity.	
Activity 66	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards below</i> Generally Applicable Minimum Standards (Construction phase) 1) The opening of spillway must be designed taking into consideration the impact of flooding downstream users, destruction of habitat, nesting and breeding grounds. Minimum Water Quality Standards (Construction phase) 1) Expansion of water storage facilities must not lead to disruption of ecological functioning of the river downstream.	1 & 5

ACTIVITIES	ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS LISTING NOTICE 1 OF 2014 ACTIVITY SPECIFIC ENVIRONMENTAL MANAGEMENT SPECIFICATIONS	ZONE 1 & / or ZONE 5
	Minimum Biodiversity Standards (Construction phase) 1) The expansion of the dam should facilitate habitat connectivity and movement of aquatic species.	

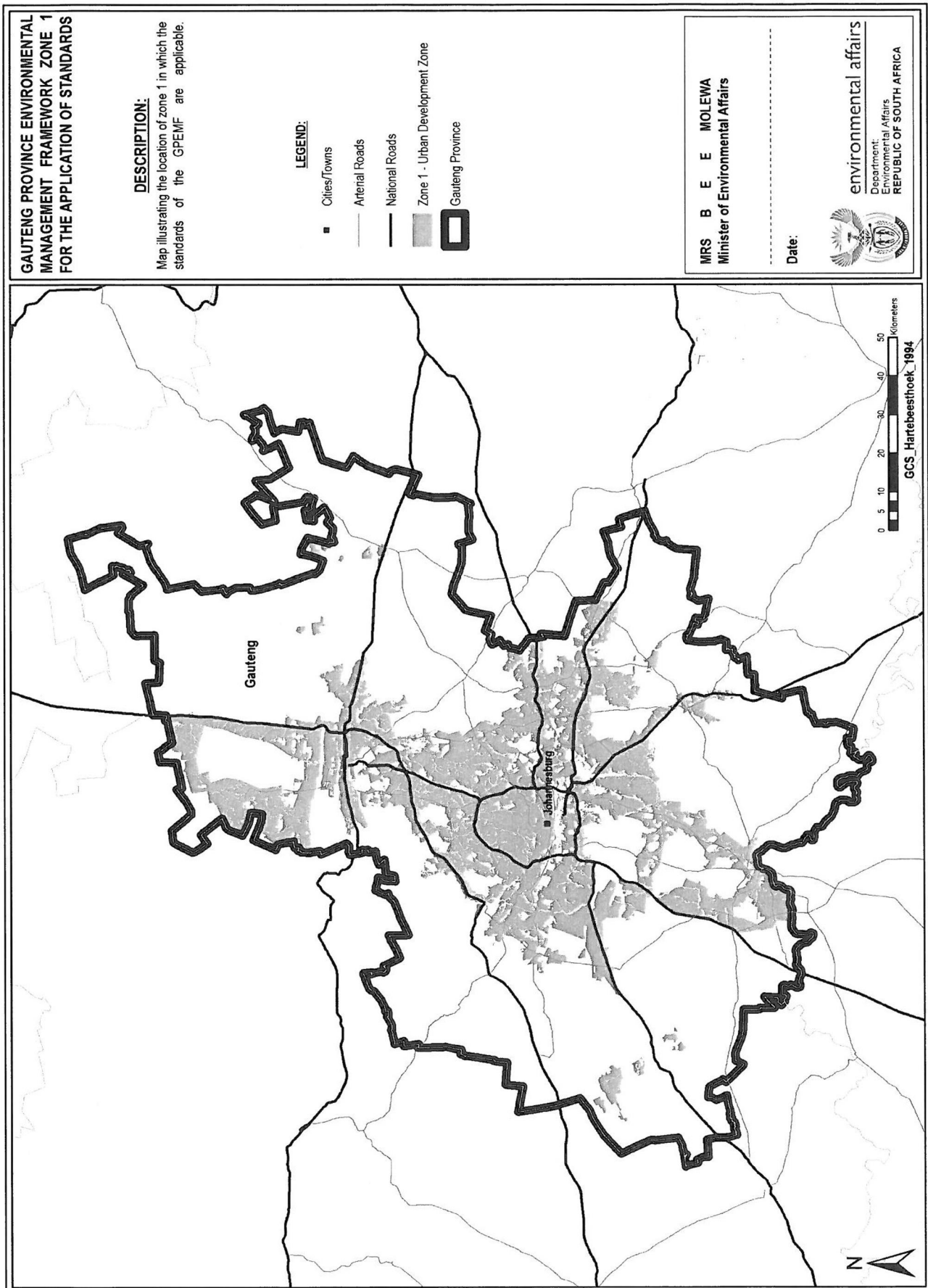
ACTIVITIES	ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS LISTING NOTICE 2 OF 2014 SCOPE AND RELEVANCE OF STANDARDS	ZONE 1 & / or ZONE 5
Activity 4	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards</i> below Generally Applicable Minimum Standards (Construction phase) 1) The area where dangerous goods are stored above ground must be banded to contain the quantities of goods stored on site during an incident. Minimum Air Quality Standards (Construction phase) 1) Facility management must ensure that measures are put in place to protect the environment and the people from exposure to harmful gases. Minimum Hazardous Substances Standards (Operational phase) 1) Contaminated effluent or storm water run-off must be disposed of safely. Minimum Water Quality Standards (Operational phase) 1) Storm water from the facility must be discharged through the municipal sewer system.	5

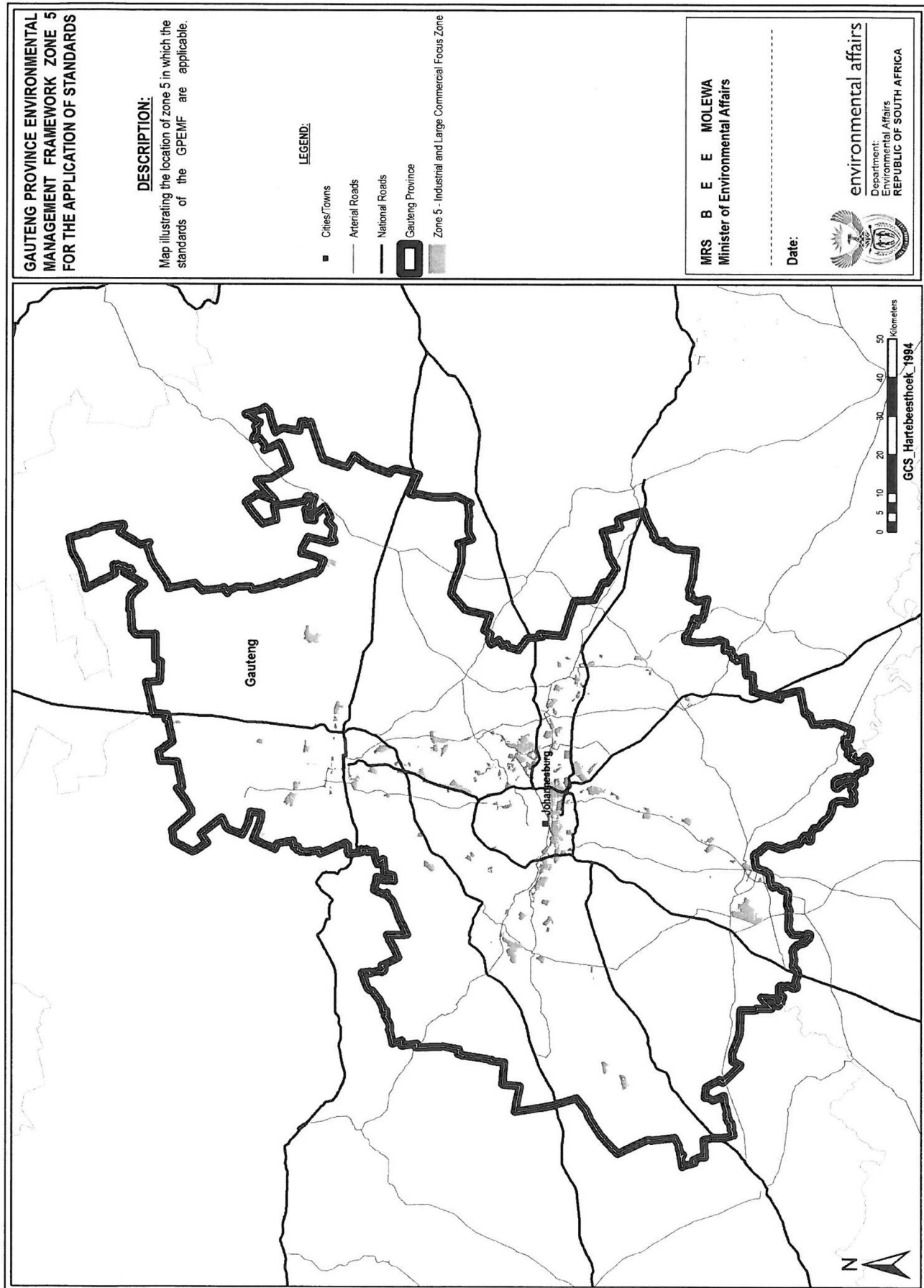
ACTIVITIES	ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS LISTING NOTICE 2 OF 2014 SCOPE AND RELEVANCE OF STANDARDS	ZONE 1 & / or ZONE 5
	Minimum Standards for Soil Conservation (Operational) 1) Contaminated soil must be disposed of at a licensed hazardous material facility to prevent contaminating the soil and ground water.	
Activity 7	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards</i> below Generally Applicable Minimum Standards (Operational phase) 1) The hazardous properties of products or chemicals must be clearly stated so that people at all stages of the transport chain are aware of them. This information must always follow the goods so that people can recognize the risks and avoid accidental mishandling and use the suitable personal protection at their disposal in case of leakage. Minimum Air Quality Standards (Operational phase) 1) Facility management must ensure that measures are put in place to protect the environment and the people from exposure to harmful gases. Minimum Hazardous Substances Standards (Operational phase) 1) Contaminated effluent or storm water run-off must be contained and disposed of safely. Minimum Waste Standards (Construction and Operational phase) 1) Effluents should be managed in a manner that does not contaminate storm water and adjacent rivers. Minimum Standards for Soil Conservation (Operational phase) 1) Contaminated soil must be disposed of at a licensed hazardous material facility to prevent contaminating the soil and ground water.	5

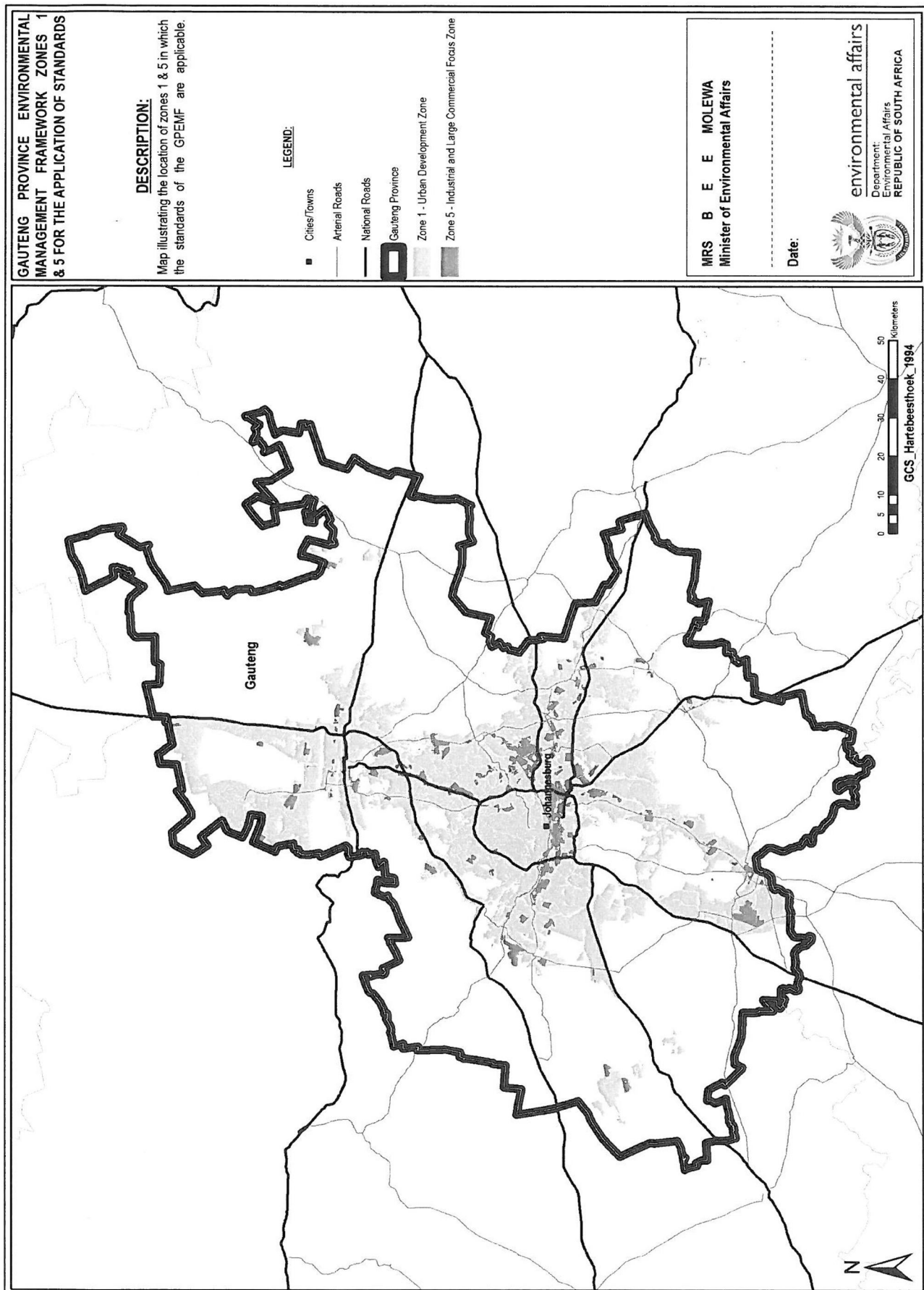
ACTIVITIES	ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS LISTING NOTICE 2 OF 2014	ZONE 1 & / or ZONE 5
Activity 9	SCOPE AND RELEVANCE OF STANDARDS ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards</i> below Minimum Visual Standards (Construction phase) 1) Siting of new transmission lines should conform to the required buffer zone from the nearest residential areas to prevent impact on people and equipment. 2) An existing utility corridor should be utilised (shared) to mitigate environmental and social impacts of a new transmission line. Minimum Biodiversity Standards (Operational phase) 1) Anti-collision devices such as bird flappers must be installed where powerlines cross corridors that are associated with flight pathways.	1 & 5
Activity 11	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards</i> below Minimum Noise Standards (Construction phase) 1) Water pumps must be housed in a fully enclosed brick structure or other suitable building designed to reduce the impact of noise generated from the pumps. Minimum Waste Standards (Operational phase) Storm water transportation facilities must be designed in manner to avoid clogging by kept free of litter to prevent flooding in residential areas Minimum Hazardous Substances Standards (Operational phase) 1) Water pumps must be stored in a bunded area to contain fuel leaks or spillages.	1 & 5

APPENDIX 3

GPEMF ZONES







APPENDIX 4

REGISTRATION FORM A REQUEST TO BE REGISTERED AND INTENT TO COMPLY WITH THE GPEMF STANDARDS	
FOR OFFICE USE ONLY	
Date Registration Form Received:	
Outcome of Evaluation of the Registration Form	☐ Accepted ☐ Rejected If rejected, provide reasons:
Registration Number:	

Kindly note that:

1. All fields must be completed in full; submission of incomplete info will lead to the registration automatically rejected.
2. Declaration of whether the registration is a first or a re-submission.
3. This form must be used in all instances for request for registrations that must be subjected to an excluded activity related to the GPEMF Standards in terms of the NEMA, act 107 of 1998 as amended.
4. This form is current as of the date of promulgation of the GPEMF standards in the Government Gazette. It is the responsibility of the Proponent to ascertain whether subsequent versions of the form have been published or produced by the competent authority.
5. The required information must be typed within the spaces provided in the form. The sizes of the spaces provided are not necessarily indicative of the amount of information to be provided. It is in the form of a table that will expand itself as each space is filled with typing.
6. Incomplete documentation will be rejected
7. The use of "not applicable" in the form must be done with circumspection. Where it is used in respect of material information that is required by the competent authority for assessing the registration, this will result in the rejection of the registration as provided for in the regulations.
8. Unless protected by law all information contained in, and attached to this registration, will become public information on receipt by the GDARD. Upon request, any interested and affected party should be provided with the information contained in and attached to this registration.
9. Original hard copies (2) of this form must be submitted to the Department at the Registry Office. All information submitted on the hard copy must be duplicated on the soft copy as PDF in the CD. An electronic copy on a CD accompanied with a shapefile (WGS84) must also be submitted with the hard copies. Should the registration form not be submitted to the addresses given below it will be rejected.
10. No faxed or e-mailed registration form will be accepted. Only hand delivered or posted registration will be accepted.

INCORRECTLY COMPLETED AND INCOMPLETE REGISTRATION FORMS WILL NOT BE CONSIDERED

SECTION A: DETAILS OF THE PROPONENT OF THE DEVELOPMENT	
All notifications pertaining to the request for registration project will be sent using the information provided in this section of the form.	
Company (include Trading Name)	
First Name	
Surname	
Email	
Telephone	
Cell phone	
Fax Number	
Postal Address	

Registration Status	First submission	YES / NO
	Resubmission	YES / NO
	If Resubmission, then provide the previous Reference number	

SECTION B: SITE INFORMATION

Site Name	
Site Telephone Number (if any)	
Owner Name	
Owner VAT Registration Number (if applicable)	
Public or Commercial	
Please provide the Geographic Co-ordinates of all external corner points of the site.	
Degrees Latitude Degrees Longitude	
Physical Address/Property Description¹	
Size of the Property	

SECTION C: MUNICIPALITY INFORMATION

Municipality/ies	
Contact Person (from Environment Management or Town Planning)	
Email	
Telephone	
Fax	
Postal address	
Physical Address	

¹ (Farm name, portion etc.) Where a large number of properties (including alternatives) are involved (e.g. linear activities), please attach a list of the property descriptions to this registration form.

SECTION D: PROJECT DESCRIPTION	
Project Title	
Project Description	
GPEMF Zones in which the proposed development is situated	

SECTION E: EXCLUDED ACTIVITIES			
Only excluded listed activities will apply here. All 'excluded' listed activities for Listing Notice 1 (Government Notice R983) and Listing Notice 2 (Government Notice R984) associated with the development project must be indicated below:			
Zone 1 and/or Zone 5	Government Notice R983 Activity No(s):	Describe the relevant Activity(ies) in writing as per Listing Notice 1 (GN No. R983)	Describe the portion of the development as per the project description that relates to the applicable listed activity
Zone 1 and/or Zone 5	Government Notice R984 Activity No(s):	Describe the relevant Activity(ies) in writing as per Listing Notice 2 (GN No. R984)	Describe the portion of the development as per the project description that relates to the applicable listed activity

Please note: Only those activities for which the Proponent applies will be considered for registration. The onus is on the Proponent to ensure that all the excluded listed activities are included in the registration. Failure to do so may invalidate the request for registration.

SECTION F: DECLARATION BY THE PROPONENT OF THE DEVELOPMENT/FACILITY

I, _____, hereby declare that I have read the completed registration form and hereby confirm that the information provided is to the best of my knowledge true and correct.

I declare that I have not commenced with the project as described in Section D of this form and will not commence until a registration number has been received, as contemplated in the GPEMF standards.

Furthermore, I declare that I am fully aware of my responsibilities in terms of the GPEMF Standards in terms of the National Environmental Management Act, 1998 (NEMA), Act No. 107 of 1998 and failure to comply with these requirements may constitute an offence

Owner of the Facility (Name and Surname) _____

Designation _____

Signature _____ (duly authorised to sign on behalf of Owner of the Facility)

Date _____ **Place** _____

Commissioner of Oaths _____

Designation _____

Signature _____

Date _____ **Place** _____

Commissioner of Oaths Stamp

SECTION G: DECLARATION BY THE LAND OWNER²

NB:(Only if the landowner is different from the Owner of the Facility)

I, _____ declare that I -

² In the event of more than one landowner, each landowner must sign the declaration.

- Am, aware of the development activity (ies) to take place or taking place in my property
- Consented to this/ these activity (ies) taking / to take place in my property hereby indemnify, the government of the Republic, the competent authority and all its officers, agents and employees, from any liability arising out of the content of any report, any procedure or any action for which the Proponent is responsible in terms of the GPEMF Standards in terms of the National Environmental Management Act, 1998 (NEMA), Act No. 107 of 1998.

Owner of the Facility (Name and Surname) _____

Designation _____

Signature _____

Date _____ **Place** _____

Commissioner of Oaths _____

Designation _____

Signature _____

Date _____ **Place** _____

Commissioner of Oaths Stamp

APPENDIX 5

GPEMF Standards Registration Number	
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DECLARATION OF THE CHANGE OF OWNERSHIP

I, _____ (full names of proponent) an adult male/female with identification number _____, residing at _____ (physical address), declare under oath that, I -

1. am the new owner of the facility with details as indicated in table below; fully understand that I am responsible for the development in the location;
2. am responsible for ensuring compliance with the GPEMF Standards in terms of Section 24(2)(c) of NEMA Act 107 as amended and can be subjected to enforcement action on my failure to comply with the GPEMF Standards;
3. am aware of my responsibility to exercise an environmental duty of care in terms of section 28 of the Act to take reasonable measures to prevent environmental pollution or degradation from occurring, continuing or recurring, or, in so far as such harm to the environment is authorised by law or cannot reasonably be avoided or stopped, to minimise and rectify such pollution or degradation of the environment;
4. confirm that I have personally read all the generally applicable and activity specific Environmental Management Specifications for the GPEMF Standards, understand it and am familiar with the information submitted in this document and all attachments and that, based on my enquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete;
5. am aware of my responsibility to make available the proof of registration letter as contemplated in section 2 (2) the GPEMF Standards; and

6. am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

Signature of Proponent: _____

Date: _____

Signature of Owner: _____

Name of Company: _____

Date: _____

Signature of the Commissioner of Oaths: _____

Date: _____

Designation: _____

Official stamp:

1. NEW OWNER DETAILS	
Name of individual / company	
Contact Person	
Passport/ Identity Document (ID) Number	
Company Registration Number	
Physical Address	
Postal address	
Email Address	
Phone No.	
Fax No.	

Environmental Authorisation Number	
---------------------------------------	--

APPENDIX 6

DECLARATION BY HOLDER OF ENVIRONMENTAL AUTHORISATION SUPERSEDED BY THIS STANDARD AND DETAILS

I, _____ (full names of proponent) an adult male/female with
identification number _____, residing at
_____ (physical address), declare under oath that I -

- a. am the holder of an environmental authorisation, with number as indicated above for the facility as indicated in the environmental authorisation attached hereto, with details as indicated in the table below;
- b. fully understand that I am responsible for ensuring compliance with the GPEMF Standard (hereafter referred to as "this Standard") gazetted under section 24(10) of the Act and can be subjected to enforcement action on my failure to comply with this Standard;
- c. am aware of my responsibility to exercise an environmental duty of care in terms of section 28 of the Act to take reasonable measures to prevent environmental pollution or degradation from occurring, continuing or recurring, or, in so far as such harm to the environment is authorised by law or cannot reasonably be avoided or stopped, to minimise and rectify such pollution or degradation of the environment;
- d. confirm that I have personally read all the generally applicable and activity specific Environmental Management Specifications for the GPEMF Standard, understand it and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete;
- e. am aware of my responsibility to make available the proof of registration and environmental audit report as contemplated in this Standard; and
- f. am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

Signature of holder of environmental authorisation: _____

Name of Company: _____

Date: _____

Signature of the Commissioner of Oaths: _____

Date: _____

Designation:

Official stamp:

DETAILS OF HOLDER OF ENVIRONMENTAL AUTHORISATION	
Name of individual/ company	
Contact Person	
Passport/ Identity Document (ID) Number	
Company Registration Number	
Physical Address	
Postal address	
Email Address	
Phone No.	
Fax No.	