

DEPARTMENT OF ENVIRONMENTAL AFFAIRS

NO. 164

02 MARCH 2018

**NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998
(ACT NO. 107 OF 1998)****ADOPTION OF THE GAUTENG PROVINCIAL ENVIRONMENTAL MANAGEMENT FRAMEWORK STANDARD AND EXCLUSION OF ASSOCIATED ACTIVITIES FROM THE REQUIREMENT TO OBTAIN AN 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, FOR THE IMPLEMENTATION OF THE GAUTENG PROVINCIAL ENVIRONMENTAL MANAGEMENT FRAMEWORK**


I, Bomo Edna Edith Molewa, Minister of Environmental Affairs, hereby adopt the Gauteng Provincial Environmental Management Framework Standard and exclude associated 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.

An application for environmental authorisation submitted in terms of the Environmental Impact Assessment Regulations, promulgated in terms of the National Environmental Management Act, 1998, for an activity falling within the scope of the Standard contemplated in this Notice, which application is pending at the time of the publication of this Standard in the Government Gazette or at the coming into effect of this Standard may be withdrawn at any time prior to a decision being made on such application.

If any part of a facility contemplated in the Schedule hereto, falls outside the scope of the Standard contemplated in this Notice, the requirements of the Environmental Impact Assessment Regulations, promulgated in terms of the National Environmental Management Act, 1998, apply.

The provisions of the National Appeal Regulations, 2014 are applicable to an appeal against any decision taken in terms of the Standard contemplated in this Notice.

The Gauteng Provincial Environmental Management Framework Standard is also available from the Department of Environmental Affairs at <https://eais.environment.gov.za> and from the Gauteng Department of Agriculture and Rural Development at <http://www.gauteng.gov.za/government/departments/agriculture-and-rural-development/Pages/Documents.aspx>



BOMO EDNA EDITH MOLEWA
MINISTER OF ENVIRONMENTAL AFFAIRS

SCHEDULE

**STANDARD AND ASSOCIATED EXCLUDED ACTIVITIES FOR THE IMPLEMENTATION OF THE
GAUTENG PROVINCIAL ENVIRONMENTAL MANAGEMENT FRAMEWORK**

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CHAPTER 1

INTERPRETATION, PURPOSE AND APPLICATION

Definitions

1. In this Standard, 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 and as contemplated in Appendix 1, that is excluded from the requirement to obtain an environmental authorisation;

“Gauteng Provincial Environmental Management Framework (GPEMF)” means the Environmental Management Framework for the whole of Gauteng Province, consisting of zones 1 to 5; adopted by the MEC in terms of regulation 5(4) of the Environmental Management Framework Regulations, 2010 under Government Notice No.1655 of 22 May 2015;

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

“National Appeal Regulations” means the regulations pertaining to the processing, consideration of and decisions on appeals, made under section 44(1)(a), read with section 43(3), of the National Environmental Management Act, 1998 (Act No. 107 of 1998);

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

“registered development” means a development that falls within the scope of the Standard and that has been registered;

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

"Zone 1" means the geographical area depicted as the *Urban Development Zone* in the Gauteng Provincial Environmental Management Framework in which infill, densification and concentration of urban development is facilitated through the use of excluded activities of which a geographical representation can be found in Appendix 3; and

"Zone 5" means the geographical area depicted as the *Industrial and Commercial Focus Zone* in the Gauteng Provincial Environmental Management Framework in which non-polluting industrial and large-scale commercial developments are facilitated through the use of excluded activities, of which a geographical representation can be found in Appendix 3.

Purpose of the Standard

2. The purpose of the Standard is to provide rules which must be complied with, ensuring –
 - (a) compliance to the principles contained in section 2 of the Act and the duty of care, in terms of section 28(1) of the Act;
 - (b) sustainable development within Gauteng Province; and
 - (c) compliance to management measures, based on which activities are excluded from the requirement to obtain an environmental authorisation.

Application of the Standard

3. (1) The provisions of the Standard are applicable to activities excluded from acquiring an environmental authorisation, when undertaken within Zone 1 or Zone 5 of the Gauteng Province, as contemplated in Appendix 1.
- (2) The provisions of the Standard are not applicable if—
 - (a) any part of the footprint of an excluded activity extends outside the boundary of Zone 1 or Zone 5, as contemplated in Appendix 1; or
 - (b) such excluded activity is directly related to prospecting, exploration, including primary processing, of a mineral or petroleum resource.
- (3) The provisions of the Standard are not applicable if the development requires environmental authorisation for any activity not excluded in terms of the Standard, in which case environmental authorisation must be obtained for all applicable identified activities.

- (4) Compliance with the Standard does not negate the need for the proponent to comply with all other applicable legislation.

CHAPTER 2

PROCEDURAL REQUIREMENTS

Notification and Registration

4. (1) A proponent must submit to the competent authority the Registration Form as set out in Appendix 4, as well as a report from the web-based screening tool, as contemplated in the Environmental Impact Assessment Regulations.
- (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.
- (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 Appeal 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 10 years of receipt of the registration number, and the process contemplated in subsections (1), (2), and (3) 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 and applicable excluded activities;
 - (d) erf number, where development or expansion occurs;
 - (e) date on which the registration number was issued; and
 - (f) validity period of the registration.
- (7) Proof of registration must be made available—

- (a) on site at all times;
- (b) on request; and
- (c) where the proponent or owner has a website, on such publicly accessible website.

(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 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 as contemplated in Appendix 2 for an excluded activity.

CHAPTER 4

COMPLIANCE

Authority Inspections

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

CHAPTER 5

TRANSITIONAL ARRANGEMENTS

Transitional Arrangements

7. (1) An environmental authorisation issued prior to the coming into effect of this Standard remains valid.
- (2) Where an application for environmental authorisation for an activity falling within the scope of this Standard is pending at the time of publication of this Standard in the *Gazette* or at the time of the coming into effect of this Standard, such application must, despite the publication or coming into effect of this Standard be dispensed with in terms of the Environmental Impact Assessment Regulations and if an environmental authorisation is issued for such application, such environmental authorisation remains valid and this Standard does not apply.
- (3) An application for environmental authorisation contemplated in subsection (2) may be withdrawn at any time prior to a decision being made on such application.

Short Title and Commencement

8. This Standard is called the GPEMF Standard, 2018 and takes effect 60 days from date of publication in the *Gazette*.

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

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 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 expansions relating to the treatment of sewage in Zone 1);
- o) Activity 63;
- p) Activity 64; and
- q) Activity 66.

1.2 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 27
- l) Activity 28(i)
- j) Activity 36;
- k) Activity 38;
- l) Activity 39;
- m) Activity 40;
- n) Activity 41;
- o) Activity 43;
- p) Activity 44;
- q) Activity 45;
- r) Activity 46;
- s) Activity 47;
- t) Activity 50;
- u) Activity 51;
- v) Activity 56;
- w) Activity 57;
- x) Activity 63;
- y) Activity 64; and
- z) Activity 66.

2. Environmental Impact Assessment Regulations: Listing Notice 2

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.

2.2 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 NEMA, ACT 107 OF 1998

GENERALLY APPLICABLE ENVIRONMENTAL MANAGEMENT SPECIFICATIONS (should be applied in conjunction with the Activity Specific Specifications)	
<p>Generally Applicable Specifications (Development phase)</p> <ol style="list-style-type: none"> 1) All working areas must be supplied with proper sanitation facilities (at least one for every twenty workers). 2) No uncontrolled fires are allowed on site for any purposes. 3) During development and operational phase, the proponent must ensure that there is firefighting equipment on site that is properly working and maintained with trained operators in the event of accidental fires. 4) Evidence of environmental awareness training for all employees must be kept on site. Employees must be fully inducted on activities impacting on the environment and mitigation thereof. 5) Site management must be done in a manner that prevent and minimise pollution. <p>Air Quality Specifications (Development phase)</p> <ol style="list-style-type: none"> 1) The generation of pollutants such as particulate emissions must be prevented and minimised. 2) The proponent must prevent and minimise dust or offensive odours during development phase. 3) The design and construction of structures must implement energy savings to minimise Green House Gas emissions <p>Noise Specifications (Development phase)</p> <ol style="list-style-type: none"> 1) The persons responsible for development activities must manage and mitigate the generation of noise, relating to – <ol style="list-style-type: none"> (a) vehicles and equipment used on site; and (b) development activities during night-time (from 5pm to 7am). <p>Storm Water Management Specifications (Development and Operational phase)</p> <ol style="list-style-type: none"> 1) Management of storm water runoff must take place as close to the source as possible, according to the hierarchy listed below- <ol style="list-style-type: none"> 2.1) At source storm water management through inclusion of one or more of the following or similar into the development: <ol style="list-style-type: none"> a. green roofs; b. rainwater harvesting; c. permeable pavements and parking areas; and 	

d. soakaways.

2.2) 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.

2.3) 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.

3) 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.

4) Development and operational activities must not encroach onto the 32 meter buffer from a water course as per GDARD Requirements for Biodiversity Assessments V3, 2014.

Visual Specifications (Development phase)

1) The development activities must prevent, manage and mitigate visual impacts, including but not limited to –

(a) Configuration of development sites to reduce visual intrusions i.e. –

- i. Siting of waste storage facilities; and
- ii. Change rooms and ablution facilities;

(b) Siting of developments in relation to sensitive features.

(c) Installation of screening material during development to reduce visual impacts.

(d) Prevent use of highly reflective materials and paints, and where it cannot be prevented, it must be minimised.

(e) Prevent lighting up biodiversity features i.e. wetlands, ridges etc. and where it cannot be prevented, it must be minimised.

(f) To blend in with the surrounding landscapes, neutral colour pallets for structures must be used.

Hazardous Substances Specifications (Development 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 such that the pollution of water, soil and air is prevented.

- 4) Storage areas containing hazardous substances / materials must be clearly marked.

Waste Specifications (Development phase)

- 1) Waste must be separated on site to support the waste management hierarchy – "Reduce, re-use, recover and only dispose safely as the last option."
- 2) 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.
- 3) Refuse bins must be placed at strategic positions to prevent littering and visual impact.
- 4) 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.
- 5) Non-recyclable waste must be disposed of on a licensed waste disposal facility.
- 6) Skip waste containers must be maintained on site.
- 7) Waste stock piles stored in open areas must be covered with an impermeable cover.
- 8) Weatherproof, durable and legible waste disposal signs in at least 3 (three) official languages applicable in the area must be displayed at each entrance to the facility.
- 9) No waste must be buried on site.
- 10) Waste transporters must be registered on Gauteng Waste Information Systems (GWIS).

Water Resources Specifications (Development phase)

- 1) Mixing of concrete must be done on a lined surface to prevent contamination of surface and/or ground water.
- 2) Vehicles and equipment must be serviced in a manner that does not impact any sensitive features.
- 3) Contaminated material must be handled and disposed of at a licensed facility to prevent contamination of soil, surface and ground water resources.
- 4) The sewage management system must be designed and operated in a manner that protects the quality and quantity of environmental resources.
- 5) The positioning of the development activities must prevent pollution of watercourses.
- 6) If development takes place within the 32 metre buffer zone from the edge of the riparian zone for rivers or streams, it must comply with the GDARD Requirements for Biodiversity Assessments V3, March 2014.
- 7) If development takes place within the 30 metre buffer zone from the outer edge of the wetland temporary zone, it must comply with the GDARD Requirements for Biodiversity Assessments V3, March 2014.
- 8) For stormwater discharge, a buffer of 100 – 250 metres wide must be maintained between the stormwater outflow and the outer boundary of a wetland -
 - a) The buffer must have mechanisms for dissipating water energy, spreading and slowing water flow as well as preventing erosion.

- 9) Where a linear development will run alongside a wetland and intercept natural hill slope runoff into the wetland, the development must be set back from the boundary of the wetland by at least 30 metres.
- 10) The design and construction of structures must incorporate water savings.

Biodiversity Specifications (Development phase)

- 1) Perimeter fences must be erected prior to development activities to prevent access and negative impact to any sensitive areas.
- 2) The infestation of alien and invasive plant species must be controlled on site and indigenous species must be used for rehabilitation, during all phases of the development.
- 3) Clearing of indigenous vegetation must be limited to the development footprint during development activities.
- 4) Disturbance or mortality of indigenous fauna must be prevented, where it cannot be prevented, it must be minimised during the development.
- 5) No lethal forms of predator control must be used.
- 6) All development activities must not impact on the breeding of Red List bird species that could potentially occur on site.

Specifications for Pollution Buffers (Development phase)

- 1) Buffer zones for pollution sources from various industrial facilities, as indicated in point 2 and as per the **Gauteng Pollution Buffer Zones Guidelines, March 2017**, below must be adhered to.
- 2) The specific sizes for the preferred pollution buffer or minimum pollution buffer must be complied with as follows:

Best case buffer of 1500m and worst case buffer of 750m must be maintained in Category 1 industries, such as Sasol, Arcelor Mittal, Scaw Metal, Eskom power stations etc. as per paragraph 6.2.1 of the Gauteng Pollution Buffer Zones Guideline, March 2017.

Best case buffer of 500m and worst case buffer of 250m must be maintained in Category 2 industries, such as container depot in City Deep, panel beater workshops, tanneries etc. as per paragraphs 6.2.2 and 7.1 of the Gauteng Pollution Buffer Zones Guidelines, March 2017.

Best case buffer of 100m and worst case buffer of 50m must be maintained in Category 3 industries, such as warehousing and distribution operations as per paragraphs 6.2.3 and 7.1 of the Gauteng Pollution Buffer Zones Guideline, March 2017.

Best case buffer of 800m and worst case buffer of 500m must be maintained for Sewage treatment works as per paragraphs 6.2.4 and 7.1 of the Gauteng Pollution Buffer Zones Guideline, March 2017.

Best case buffer of 400m and worst case buffer of 200m must be maintained for general landfill sites (Communal, small, medium and large) as per paragraphs 6.2.5 and 7.1 of the Gauteng Pollution Buffer Zones Guideline, March 2017.

Best case buffer of 2000m and worst case buffer of 1000m must be maintained for Hazardous Landfill sites as per paragraphs 6.2.5 and 7.1 of the Gauteng Pollution Buffer Zones Guideline, March 2017.

Best case buffer of 100m and worst case buffer of 0m must be maintained for mine dumps (rock dumps or stockpiles) as per paragraphs 6.2.6 and 7.1 of the Gauteng Pollution Buffer Zones Guideline, March 2017.

Best case buffer of 1000m and worst case buffer of 500m must be maintained for mine slimes dams and ash dumps as per paragraphs 6.2.7 and 7.1 of the Gauteng Pollution Buffer Zones Guideline, March 2017.

Best case buffer of 5000m and worst case buffer of 2000m must be maintained for the Pelindaba nuclear facility complex as per paragraphs 6.2.8 and 7.1 of the Gauteng Pollution Buffer Zones Guideline, March 2017.

Minimum Ridge Specifications (Development phase)

1) The following ridge classes must be adhered to for all the Excluded Activities within Environmental Management Zone 1 and Zone 5.

Development activities will only be permitted if it falls within the following development classes as per paragraph 4(3) and 4(4) of the Gauteng Ridges Guideline (2001), as amended:

- (a) class 3 ridge (35 – 64 % transformed);**
 - (i) class 3 (A) ridge Low impact development areas;**
 - (ii) class 3 (B) ridge High impact development areas; and**
- (b) class 4 ridge (65 - 100 % transformed)**

2) Development activities that are not in contravention with the Gauteng 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.**

Specifications for Soil Conservation (Development phase)

- 1) Topsoil from development activities must be stockpiled and contained within a berm to prevent and minimise loss.**
- 2) Compaction of topsoil must not inhibit vegetation growth.**
- 3) Topsoil must be stockpiled in a designated area away from possible sources of contamination and must be used for re-vegetation/landscaping.**

- 4) Overburden (soil/rocks) material must be disposed-of safely at a licensed facility, where it cannot be re-used.
- 5) Shaping of remaining profile must blend in with the gradients of the surrounding landscape.
- 6) Soil erosion must be controlled on site during all phases of the development.
- 7) All stockpiles must not cause visual impact in the area.

Heritage Specification (Development and Operational phase)

- 1) Should an object of archaeological importance be identified, work in that area must be stopped and the incident must immediately be reported to the nearest South African Heritage Resources Agency (SAHRA) offices in order to comply with the National Heritage Resources Act, 1999 (Act No. 25 of 1999).

ACTIVITY SPECIFIC ENVIRONMENTAL MANAGEMENT SPECIFICATIONS

LISTING NOTICE 1		
ACTIVITIES	ACTIVITY SPECIFIC ENVIRONMENTAL MANAGEMENT SPECIFICATIONS	ZONE 1 & / or ZONE 5
Activity 6	<p>ALL GENERALLY APPLICABLE ENVIRONMENTAL MANAGEMENT SPECIFICATIONS APPLY <i>plus the Activity Specific Specifications below</i></p> <p>Generally Applicable Management Specifications (Development and Operational phase)</p> <ol style="list-style-type: none"> 1) Species must be separated to prevent interbreeding between the indigenous and exotic species within the controlled farming environment. 2) Species must be separated to prevent transmission of diseases and predatory species posing a threat to indigenous species must be controlled. 3) Disposal of carcasses must be done at a permitted landfill site. <p>Waste Specification (Development and Operational phase)</p> <ol style="list-style-type: none"> 1) Waste (solids and dissolved nutrients) must be disposed of at a licensed facility to prevent the development of algal blooms in natural environment. 	1 & 5
Activity 9	<p>ALL GENERALLY APPLICABLE ENVIRONMENTAL MANAGEMENT SPECIFICATIONS APPLY <i>plus the Activity Specific Specifications below</i></p> <p>Noise Specification (Development and Operational phase)</p> <ol style="list-style-type: none"> 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. <p>Storm Water Management Specification (Development and Operational phase)</p> <ol style="list-style-type: none"> 1) Storm water transportation facilities must be developed in manner to prevent flooding in residential areas. <p>Hazardous Substances Specification (Development and Operational phase)</p> <ol style="list-style-type: none"> 1) Water pumps must be stored in a bunded area to contain fuel (diesel or oil) in the event of leaks or spillages. 	1 & 5

LISTING NOTICE 1		
ACTIVITIES	ACTIVITY SPECIFIC ENVIRONMENTAL MANAGEMENT SPECIFICATIONS	ZONE 1 & / or ZONE 5
Activity 11	<p>ALL GENERALLY APPLICABLE ENVIRONMENTAL MANAGEMENT SPECIFICATIONS APPLY <i>plus the Activity Specific Specifications below</i></p> <p>Visual Specification (Development phase) 1) An existing utility corridor should be utilised (shared) to mitigate environmental and social impacts of a new transmission line.</p> <p>Biodiversity Specification (Development phase) 1) Anti-collision devices such as bird flappers must be installed where power lines cross corridors that are associated with flight pathways.</p>	1 & 5
Activity 13	<p>ALL GENERALLY APPLICABLE ENVIRONMENTAL MANAGEMENT SPECIFICATIONS APPLY <i>plus the Activity Specific Specifications below</i></p> <p>Water Resources Specification (Development phase) 1) Construction of water storage facilities must not lead to the destruction of ecological functioning of the river downstream such as reduction of water flow, destruction of habitat and breeding grounds for aquatic species.</p> <p>Biodiversity Specification (Development phase) 1) Location of construction sites should facilitate habitat connectivity.</p>	1 & 5
Activity 14	<p>ALL GENERALLY APPLICABLE ENVIRONMENTAL MANAGEMENT SPECIFICATIONS APPLY <i>plus the Activity Specific Specification below</i></p> <p>Generally Applicable Specifications (Development 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. 2) The bund must be able to contain 110% of the total quantities of goods stored. 3) The bund must be fitted with a control valve.</p>	5

LISTING NOTICE 1		
ACTIVITIES	ACTIVITY SPECIFIC ENVIRONMENTAL MANAGEMENT SPECIFICATIONS	ZONE 1 & / or ZONE 5
	<p>4) Equipment and materials to deal with spills and leaks must be well maintained and stored in a clean, dry and readily accessible storage facility.</p> <p>5) Ground water monitoring, which must include amongst others, hydrocarbon detection, must be conducted annually and the results made available to the competent authority.</p> <p>Hazardous Substances Specifications (Development and Operational phase)</p> <p>1) Contaminated effluent from the bund and storm water run-off must be contained and disposed of in a licensed facility.</p>	
Activity 25	<p>ALL GENERALLY APPLICABLE ENVIRONMENTAL MANAGEMENT SPECIFICATIONS APPLY <i>plus the Activity Specific Specifications below</i></p> <p>Visual Specification (Development and Operational phase)</p> <p>1) The proponent must prevent the prevalence of conditions that are in contrast with the ambience of the area.</p> <p>Waste Specifications (Development and Operational phase)</p> <p>1) The spread of diseases, odours, surface and ground water pollution as a result of sewage sludge from waste water treatment plants, must be prevented.</p> <p>2) Treated effluent used for irrigation purposes must always be chlorinated.</p> <p>3) No waste water must be discharged directly or otherwise into the boundary of a watercourse.</p> <p>Water Quality Specification (Development and Operational phase)</p> <p>1) Pathogens and inherent risks in wastewater treatment plants must not negatively affect immediate communities and the environment.</p>	5
Activity 27	<p>ALL GENERALLY APPLICABLE ENVIRONMENTAL MANAGEMENT SPECIFICATIONS APPLY <i>plus the Activity Specific Specification below</i></p>	1 & 5

LISTING NOTICE 1		
ACTIVITIES	ACTIVITY SPECIFIC ENVIRONMENTAL MANAGEMENT SPECIFICATIONS	ZONE 1 & / or ZONE 5
Activity 47	<p>ALL GENERALLY APPLICABLE ENVIRONMENTAL MANAGEMENT SPECIFICATIONS APPLY <i>plus the Activity Specific Specifications below</i></p> <p>Visual Specification (Development phase) 1) Existing utility corridors must be utilised (shared) to mitigate environmental and social impacts of a new transmission line.</p> <p>Biodiversity Specification (Development phase) 1) Anti-collision devices such as bird flappers must be installed where powerlines cross corridors that are associated with flight pathways.</p>	1 & 5
Activity 50	<p>ALL GENERALLY APPLICABLE ENVIRONMENTAL MANAGEMENT SPECIFICATIONS APPLY <i>plus the Activity Specific Specifications below</i></p> <p>Water Resources Specification (Development phase) 1) Expansion of water storage facilities must not lead to the destruction of ecological functioning of the river downstream.</p> <p>Biodiversity Specification (Development phase) 1) Habitat connectivity and movement of aquatic species must be facilitated during the expansion of a dam.</p>	1 & 5
Activity 51	<p>ALL GENERALLY APPLICABLE ENVIRONMENTAL MANAGEMENT SPECIFICATIONS APPLY <i>plus the Activity Specific Specifications below</i></p> <p>Generally Applicable Specification (Operational phase) 1) Above- ground dangerous goods storage areas must be bunded to contain the quantities of goods stored on site in the event of an incident.</p> <p>Air Quality Specification (Development and Operational phase) 1) The proponent must ensure that people and the environment are protected from exposure to harmful gases.</p>	5

LISTING NOTICE 1		
ACTIVITIES	ACTIVITY SPECIFIC ENVIRONMENTAL MANAGEMENT SPECIFICATIONS	ZONE 1 & / or ZONE 5
	<p>Hazardous Substances Specification (Development and Operational phase) 1) Contaminated effluent or storm water run-off must be contained and disposed of at a licensed facility.</p> <p>Waste Specification (Development and Operational phase) 1) Contaminated effluent channels must be separated from storm and surface water to prevent pollution.</p>	
Activity 56	<p>ALL GENERALLY APPLICABLE ENVIRONMENTAL MANAGEMENT SPECIFICATIONS APPLY <i>plus the Activity Specific Specifications below</i></p> <p>Storm Water Management Specifications (Development phase) 1) The infrastructure used must enable flow of water to prevent flooding of the road. 2) The storm water channels and culverts must be designed with silt litter traps to facilitate proper flow of water.</p> <p>Biodiversity Specification (Development phase) 1) The design of the road must cater for minimal habitat loss and fragmentation to reduce the impact on sustainability of local biodiversity and ecosystems.</p> <p>Specification for Soil Conservation (Development phase) 1) The design of the storm water channels must include soil erosion mitigation measures which result from increased velocity from hardened road surfaces.</p>	1 & 5
Activity 57	<p>ALL GENERALLY APPLICABLE ENVIRONMENTAL MANAGEMENT SPECIFICATIONS APPLY <i>plus the Activity Specific Specifications below</i></p> <p>Air Quality Specification (Operational phase) 1) Measures to minimise offensive odours must be implemented at all times.</p> <p>Visual Specification (Operational phase)</p>	1 & 5 (Will only be permissible for expansions relating to