

Annex D		Emissions																			
Activities and Impacts Matrix: Agri-industry		Air						Effluent				Waste			Noise		Runoff				
Releases to air, soil/land and water		Point source		Dust	Odours	Non-point source / Fugitive	Greenhouse Gas Emissions	Radioactive emissions	Domestic	Industrial - containing organics	Industrial - containing inorganics	General	Hazardous	Tailings	Continuous noise	Intermittent noise	Contaminated stormwater	Clean runoff			
		Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation		
<b>LISTING NOTICE 1</b>																					
1	The construction of facilities or infrastructure, including associated structures or infrastructure, for:																				
(f)	the slaughter of animals with a product throughput of 10 000 kilograms or more per year;																				
(h)	the concentration of animals for the purpose of commercial production in densities that exceed:																				
	- 20 square metres per head of cattle and more than 500 head of cattle per facility per year; - 8 square meters per sheep and more than 1 000 sheep per facility per year; - 8 square metres per pig and more than 250 pigs per facility per year excluding piglets that are not yet weaned; - 30 square metres per crocodile at any level of production, excluding crocodiles younger than 6 months; - 3 square metres per head of poultry and more than 250 poultry per facility at any time, excluding chicks younger than 20 days; - 3 square metre per rabbit at and more than 250 rabbits per facility at any time; - 100 square metres per ostrich and more than 50 ostriches per facility per year or 2500 square metres per breeding pair																				
(i)	aquaculture production, including mariculture and algae farms, with a product throughput of 10 000 kilograms or more per year;																				
(j)	agri-industrial purposes, outside areas with an existing land use zoning for industrial purposes, that cover an area of 1 000 square metres or more;																				









Annex E		Location																																					
Activities and Impacts Matrix: Energy		Physical						Biodiversity					Heritage			Aesthetics		Social				Land use																	
	Locational considerations relevant to development footprint	Geological features					Unique habitats						Archaeology/paleontology				Scenic routes		Local community - informal settlement		Agricultural																		
	Locational considerations relevant to compatibility of development with surroundings	Productive soils (Agricultural, Forestry)	Slope	Erodable and unstable soils	Clay soils	Rock and rock layers	Marine/coastal systems	Freshwater systems	Ecological corridor	Critical Biodiversity Area	Red Data species	Endemic species	CE, E or V ecosystems as defined in the NSBA	Intact, pristine or near-pristine indigenous vegetation	Cultural landscapes / sites	Scientific Value	Historical buildings / sites	Social Memory	Unique architecture	Significant townscapes/streetscapes/precinct	Local community - formal settlement	Community facilities	Public / community access routes	Public Open Space	Communal facilities/areas	Forestry	Previously mined	Infrastructure	Mixed use	Commercial	Residential	Industrial	Public facility / POS	Declared Nature conservation area / protected area	Urban conservation area	Brownfields (previously developed)	Undeveloped		
	<b>Recommissioning of fuel-fired power stations (coal, diesel, oil, gas)</b>																																						
24	Recommissioning of existing facilities or infrastructure, other than facilities or infrastructure that commenced under an environmental authorisation issued in terms of the EIA Regulations, 2006 made under section 24(5) of the Act and published in GNR 385 of 2006, after a period of two years from closure or temporary closure, for:																																						
(a)	electricity generation;																																						
	<b>Recommissioning of nuclear power facilities</b>																																						
24	Recommissioning of existing facilities or infrastructure, other than facilities or infrastructure that commenced under an environmental authorisation issued in terms of the EIA Regulations, 2006 made under section 24(5) of the Act and published in GNR 385 of 2006, after a period of two years from closure or temporary closure, for:																																						
(b)	nuclear reactors and nuclear fuel storage;																																						







Annex E Activities and Impacts Matrix: Energy Use of natural resources Use of communal/public resources		Resource use																										
		Land type					Water source				Raw Materials				Energy source			Soil										
		Agricultural	Undeveloped - rural	Undeveloped - urban	Developed - urban	Communal	Public / state land	Sea water	Groundwater	River or stream	Wetland	Dam	Water Board/ Water Services Provides / Municipal	Chemicals - non hazardous	Hazardous chemicals / dangerous goods	Fuel - gas	Fuel - petrol, diesel	Coal	Uranium	Catalysts	Electricity	Liquid Fuel - HFO, diesel, paraffin, petrol	Coal	Gas - LPG	Renewable - wind, solar	Topsoil	Rock material	Fill material / rubble
<b>LISTING NOTICE 1</b>																												
<b>Renewable Energy</b>																												
1	The construction of facilities or infrastructure, including associated structures or infrastructure, for:																											
(a)	the generation of electricity where the electricity output is more than 10 megawatts but less than 20 megawatts																											
<b>Fuel-fired (coal, gas, diesel, oil) generation plants</b>																												
1	The construction of facilities or infrastructure, including associated structures or infrastructure, for:																											
(a)	the generation of electricity where the electricity output is more than 10 megawatts but less than 20 megawatts																											
<b>Coal stockpiles at coal-fired power stations</b>																												
1	The construction of facilities or infrastructure, including associated structures or infrastructure, for:																											
(c)	the storage of 250 tons or more but less than 100 000 tons of coal;																											
<b>Power lines - linear development</b>																												
1	The construction of facilities or infrastructure, including associated structures or infrastructure, for:																											
(l)	the transmission and distribution of electricity above ground with a capacity of more than 33 kilovolts and less than 120 kilovolts;																											
<b>Decommissioning of facilities for electricity generation (renewable)</b>																												
23	Decommissioning of existing facilities or infrastructure, other than facilities or infrastructure that commenced under an environmental authorisation issued in terms of the EIA Regulations, 2006 made under section 24(5) of the Act and published in GNR 385 of 2006, for:																											
(a)	electricity generation;																											

Annex E	Resource use																											
	Land type				Water source				Raw Materials				Energy source		Soil													
Activities and Impacts Matrix: Energy Use of natural resources Use of communal/public resources	Agricultural	Undeveloped - rural	Undeveloped - urban	Developed - urban	Communal	Public / state land	Sea water	Groundwater	River or stream	Wetland	Dam	Water Board/ Water Services Provides / Municipal	Chemicals - non hazardous	Hazardous chemicals / dangerous goods	Fuel - gas	Fuel - petrol, diesel	Coal	Uranium	Catalysts	Electricity	Liquid Fuel - HFO, diesel, paraffin, petrol	Coal	Gas - LPG	Renewable - wind, solar	Topsoil	Rock material	Fill material / rubble	
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(a) electricity generation;																												

Annex E Activities and Impacts Matrix: Energy		Resource use																											
		Land type					Water source				Raw Materials				Energy source			Soil											
Use of natural resources Use of communal/public resources		Agricultural	Undeveloped - rural	Undeveloped - urban	Developed - urban	Communal	Public / state land	Sea water	Groundwater	River or stream	Wetland	Dam	Water Board/ Water Services Provides / Municipal	Chemicals - non hazardous	Hazardous chemicals / dangerous goods	Fuel - gas	Fuel - petrol, diesel	Coal	Uranium	Catalysts	Electricity	Liquid Fuel - HFO, diesel, paraffin, petrol	Coal	Gas - LPG	Renewable - wind, solar	Topsoil	Rock material	Fill material / rubble	
<b>Recommissioning of nuclear power facilities</b>																													
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(b)	nuclear reactors and nuclear fuel storage;																												
<b>Environmental permits</b>																													
25	Expansion of or changes to existing facilities for any process or activity, which requires an amendment of an existing permit or license or a new permit or license in terms of legislation governing the release of emissions, pollution, effluent, unless the facility for the process or activity is included in the list of waste management activities published in terms of section 19 of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) in which case the activity is regarded to be excluded.																												
<b>LISTING NOTICE 2</b>																													
<b>Renewable energy generation facilities</b>																													
1	The construction of facilities or infrastructure, including associated structures or infrastructure, for:																												
(a)	the generation of electricity where:																												
(i)	the electricity output is 20 megawatts or more; or																												
(ii)	the elements of the facility cover a combined area in excess of 1 ha;																												
<b>Fuel-fired (coal, gas, diesel, oil) generation plants</b>																													
1	The construction of facilities or infrastructure, including associated structures or infrastructure, for:																												
(a)	the generation of electricity where:																												
(i)	the electricity output is 20 megawatts or more; or																												
(ii)	the elements of the facility cover a combined area in excess of 1 ha;																												
<b>Nuclear energy generation facilities</b>																													
(b)	nuclear reaction including the production, enrichment, processing, reprocessing, storage or disposal of nuclear fuels, radioactive products and waste;																												
<b>Environmental permits</b>																													
1	The construction of facilities or infrastructure, including associated structures or infrastructure, for:																												
(e)	any process or activity which requires a permit or license in terms of legislation governing the generation or release of emissions, pollution, effluent or waste and which is not identified in GNR. 386 of 2006;																												



Annex E Activities and Impacts Matrix: Energy		Emissions															
		Air					Effluent			Waste			Noise		Runoff		
Releases to air, soil/land and water		Point source	Dust	Odours	Non-point source / Fugitive	Greenhouse Gas Emissions	Radioactive emissions	Domestic	Industrial - containing organics	Industrial - containing inorganics	General	Hazardous	Tailings	Continuous noise	Intermittent noise	Contaminated stormwater	Clean runoff
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	<b>Recommissioning of fuel-fired power stations (coal, diesel, oil, gas)</b>																
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(b)	nuclear reactors and nuclear fuel storage;																

Annex E		Emissions															
		Air					Effluent			Waste			Noise		Runoff		
Activities and Impacts Matrix: Energy		Point source	Dust	Odours	Non-point source / Fugitive	Greenhouse Gas Emissions	Radioactive emissions	Domestic	Industrial - containing organics	Industrial - containing inorganics	General	Hazardous	Tailings	Continuous noise	Intermittent noise	Contaminated stormwater	Clean runoff
Releases to air, soil/land and water																	
<b>Environmental permits</b>																	
25	Expansion of or changes to existing facilities for any process or activity, which requires an amendment of an existing permit or license or a new permit or license in terms of legislation governing the release of emissions, pollution, effluent, unless the facility for the process or activity is included in the list of waste management activities published in terms of section 19 of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) in which case the activity is regarded to be excluded.																
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(a)	the generation of electricity where:																
(i)	the electricity output is 20 megawatts or more; or																
(ii)	the elements of the facility cover a combined area in excess of 1 ha;																
<b>Nuclear energy generation facilities</b>																	
(b)	nuclear reaction including the production, enrichment, processing, reprocessing, storage or disposal of nuclear fuels, radioactive products and waste;																
<b>Environmental permits</b>																	
1	The construction of facilities or infrastructure, including associated structures or infrastructure, for:																
(e)	any process or activity which requires a permit or license in terms of legislation governing the generation or release of emissions, pollution, effluent or waste and which is not identified in GNR. 386 of 2006;																

Annex F		Location																			
Activities and Impacts Matrix: Large Scale Property Development		Physical				Biodiversity				Heritage		Aesthetics		Social			Land use				
Locational considerations relevant to development footprint																					
Locational considerations relevant to compatibility of development with surroundings																					
Geological features																					
Productive soils (Agricultural, Forestry)																					
Slope																					
Erodable and unstable soils																					
Clay soils																					
Rock and rock layers																					
Groundwater / exploitable aquifer																					
Surface water resources (river, stream, wetland, dam)																					
Microclimate																					
Floodplain																					
Unique habitats																					
Marine/coastal systems																					
Freshwater systems																					
Ecological corridor																					
Critical Biodiversity Area																					
Red Data species																					
Endemic species																					
CE, E or V ecosystems as defined in the NSBA																					
Intact, pristine or near-pristine indigenous vegetation																					
Archaeology/paleontology																					
Cultural landscapes / sites																					
Scientific Value																					
Historical buildings / sites																					
Social Memory																					
Scenic/rural landscapes																					
Unique architecture																					
Significant townscapes/streetscapes/precinct																					
Scenic routes																					
Local community - informal settlement																					
Local community - formal settlement																					
Community facilities																					
Public / community access routes																					
Public Open Space																					
Communal facilities/areas																					
Agricultural																					
Forestry																					
Previously mined																					
Infrastructure																					
Mixed use																					
Commercial																					
Residential																					
Industrial																					
Public facility / POS																					
Declared Nature conservation area / protected area																					
Urban conservation area																					
Brownfields (previously developed)																					
Undeveloped																					
National, Provincial and Municipal Policy																					
<b>LISTING NOTICE 1</b>																					
<b>Resorts</b>																					
1	The construction of facilities or infrastructure, including associated structures or infrastructure, for:																				
(d)	resorts, lodges, hotels or other tourism and hospitality facilities in a protected area contemplated in the National Environmental Management: Protected Areas Act, 2003 (Act No. 57 of 2003);																				
<b>Sports facilities</b>																					
1	The construction of facilities or infrastructure, including associated structures or infrastructure, for:																				
(e)	any purpose where lawns, playing fields or sports tracks covering an area of more than three hectares, but less than 10 hectares, will be established;																				
(f)	sport spectator facilities with the capacity to hold 8000 spectators or more;																				









Annex F Activities and Impacts Matrix: Large Scale Property Development		Resource use																												
		Land type					Water source					Raw Materials					Energy source			Soil										
Use of natural resources Use of communal/public resources		Agricultural/Forestry	Undeveloped - rural	Undeveloped - urban	Developed - urban	Communal	Public / state land	Sea water	Groundwater	River or stream	Wetland	Dam	Water Board/ Water Services Provides / Municipal	Chemicals - non hazardous	Hazardous chemical substances	Building materials	Fuel - gas	Fuel - petrol, diesel	Recycled concrete and rubble	Cement	Bituman	Coal	Electricity	Liquid Fuel - HFO, diesel, paraffin, petrol	Coal	Gas - LPG	Renewable - wind, solar	Topsoil	Rock material	Fill material / rubble
<b>Phased development</b>																														
17	Phased activities where any one phase of the activity may be below a threshold specified in this Schedule but where a combination of the phases, including expansions or extensions, will exceed a specified threshold.																													
<b>Sub-division of land</b>																														
18	The subdivision of portions of land 9 hectares or larger into portions of 5 hectares or less.																													
<b>Industrial development</b>																														
19	The development of a new facility or the transformation of an existing facility for the conducting of manufacturing processes, warehousing, bottling, packaging, or storage, which, including associated structures or infrastructure, occupies an area of 1000 square metres or more outside an existing area zoned for industrial purposes.																													
<b>LISTING NOTICE 2</b>																														
<b>Sports facilities</b>																														
1	The construction of facilities or infrastructure, including associated structures or infrastructure, for:																													
(t)	any purpose where lawns, playing fields or sports tracks covering an area of 10 hectares or more, will be established.																													
<b>Size of development footprint</b>																														
2	Any development activity, including associated structures and infrastructure, where the total area of the developed area is, or is intended to be, 20 hectares or more.																													

Annex F		Emissions																																															
Activities and Impacts Matrix: Large Scale Property Development		Air						Effluent			Waste												Noise		Runoff																								
Releases to air, soil/land and water		Point source		Vehicle		Dust		Odours		Non-point source / Fugitive		Radioactive emissions		Domestic		Industrial - containing organics		Industrial - containing inorganics		Residential		Garden		Builders waste		Nuclear or Radioactive		Health Services		Special Industrial		Commercial and retail		Industrial		Hazardous		Continuous noise		Intermittent noise		Contaminated stormwater		Clean runoff					
		Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation						
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(e)	any purpose where lawns, playing fields or sports tracks covering an area of more than three hectares, but less than 10 hectares, will be established;																																																
(f)	sport spectator facilities with the capacity to hold 8000 spectators or more;																																																
<b>Transformation of land</b>																																																	
16	The transformation of undeveloped, vacant or derelict land to:																																																
(a)	establish infill development covering an area of 5 hectares or more, but less than 20 hectares; or																																																
(b)	residential, mixed, retail, commercial, industrial or institutional use where such development does not constitute infill and where the total area to be transformed is bigger than 1 ha.																																																