LEGAL REQUIREMENTS

	Non-linear activities associated with energy generation and supply	Non-linear aspects of large scale property development	Non-linear aspects of social infrastructure development	Non-linear aspects of agri-industry	Linear Activities
Environmental Management Plan					
What key issues should the environmental management plan address:	**Example: Nuclear Power Generation** (Waste mangement facilities, water storage, safety and radiation issues, hazardous materials, emergency responses) and **Coal Power Generation** (Air pollution, climate change, strengths and weaknesses).	**Example: Development of a shopping centre or golf course estate** (Impact on biodiversity, landscape, ecological footprint, water quality, air quality, heritage, waste mangement, fuel spillage, emergency responses).	**Example: Development of low cost (RDP) housing, construction of a hospital or waste water treatment plant.** (Impact on bidiversity, waste management activities, landscape, ecological footprint, water and air quality, water and energy efficiency)	**Example: Construction of a dam or facility for slaughtering animals with a throughput of more than 10 000 kilograms per year** (waste management facilities, nature of water storage, water quality, water and energy efficiency)	**Example: Construction of a pipeline** (Emergency responses, impact on biodiversity, hazardous materials)
1. Pre-construction and construction activities	**Site Establishment and Site Infrastructure** Site handover; site and infrastructure (structures and accommodation, access roads, stockpile areas, batching plants, crusher plants, sand washing plants, nurseries, gates and fences) location, layout and design; site demarcation and access; site layout plan, site clearance; protection of natural and cultural resources, site services (water supply, sanitation, solid waste facilities, power supply, telecommunications, etc.); and storage.	**Site Establishment and Site Infrastructure** Site handover; site and infrastructure (structures and accommodation, access roads, stockpile areas, batching plants, crusher plants, sand washing plants, nurseries, gates and fences) location, layout and design; site demarcation and access; site layout plan, site clearance; protection of natural and cultural resources, site services (water supply, sanitation, solid waste facilities, power supply, telecommunications, etc.); and storage.	**Site Establishment and Site Infrastructure** Site handover; site and infrastructure (structures and accommodation, access roads, stockpile areas, batching plants, crusher plants, sand washing plants, nurseries, gates and fences) location, layout and design; site demarcation and access; site layout plan, site clearance; protection of natural and cultural resources, site services (water supply, sanitation, solid waste facilities, power supply, telecommunications, etc.); and storage.	**Site Establishment and Site Infrastructure** Site handover; site and infrastructure (structures and accommodation, access roads, stockpile areas, batching plants, crusher plants, sand washing plants, nurseries, gates and fences) location, layout and design; site demarcation and access; site layout plan, site clearance; protection of natural and cultural resources, site services (water supply, sanitation, solid waste facilities, power supply, telecommunications, etc.); and storage.	**Site establishment and site infrastructure** Site handover; site and infrastructure (structures and accommodation, access roads, stockpile areas, batching plants, crusher plants, sand washing plants, nurseries, gates and fences) location, layout and design; site demarcation and access; site layout plan, site clearance; protection of natural and cultural resources, site services (water supply, sanitation, solid waste facilities, power supply, telecommunications, etc.); and storage.
	Site Management during Construction Construction methods and programmes; demarcation of the construction areas, construction for water supply; cleanliness; site clearance and the disposal of material; topsoil removal, handling and conservation; tree cutting; preservation of flora and landscaping; alien plant control, cultural heritage resources; earthworks, plant and machinery (silencing, appropriate use, servicing, etc.); erosion control measures; pollution control measures (including air pollution); handling and disposal of hazardous substances; liquid and solid waste disposal; fire prevention and control; on-site quarrying activities; spoil sites; traffic management and control (dust, noise, visual, neighbour relations); disruptions to services (electricity, telecommunications, etc.); and blasting.	**Site Management during Construction** Construction methods and programmes; demarcation of the construction areas, construction for water supply; cleanliness; site clearance and the disposal of material; topsoil removal, handling and conservation; tree cutting; preservation of flora and landscaping; alien plant control, cultural heritage resources; earthworks, plant and machinery (silencing, appropriate use, servicing, etc.); erosion control measures; pollution control measures (including air pollution); handling and disposal of hazardous substances; liquid and solid waste disposal; fire prevention and control; on-site quarrying activities; spoil sites; traffic management and control (dust, noise, visual, neighbour relations); disruptions to services (electricity, telecommunications, etc.); and blasting.	**Site Management during Construction** Construction methods and programmes; demarcation of the construction areas, construction for water supply; cleanliness; site clearance and the disposal of material; topsoil removal, handling and conservation; tree cutting; preservation of flora and landscaping; alien plant control, cultural heritage resources; earthworks, plant and machinery (silencing, appropriate use, servicing, etc.); erosion control measures; pollution control measures (including air pollution); handling and disposal of hazardous substances; liquid and solid waste disposal; fire prevention and control; on-site quarrying activities; spoil sites; traffic management and control (dust, noise, visual, neighbour relations); disruptions to services (electricity, telecommunications, etc.); and blasting.	**Site Management during Construction** Construction methods and programmes; demarcation of the construction areas, construction for water supply; cleanliness; site clearance and the disposal of material; topsoil removal, handling and conservation; tree cutting; preservation of flora and landscaping; alien plant control, cultural heritage resources; earthworks, plant and machinery (silencing, appropriate use, servicing, etc.); erosion control measures; pollution control measures (including air pollution); handling and disposal of hazardous substances; liquid and solid waste disposal; fire prevention and control; on-site quarrying activities; spoil sites; traffic management and control (dust, noise, visual, neighbour relations); disruptions to services (electricity, telecommunications, etc.); and blasting.	**Site Management during Construction** Construction methods and programmes; demarcation of the construction areas, construction for water supply; cleanliness; site clearance and the disposal of material; topsoil removal, handling and conservation; tree cutting; preservation of flora and landscaping; alien plant control, cultural heritage resources; earthworks, plant and machinery (silencing, appropriate use, servicing, etc.); erosion control measures; pollution control measures (including air pollution); handling and disposal of hazardous substances; liquid and solid waste disposal; fire prevention and control; on-site quarrying activities; spoil sites; traffic management and control (dust, noise, visual, neighbour relations); disruptions to services (electricity, telecommunications, etc.); and blasting.

LEGAL REQUIREMENTS

	Non-linear activities associated with energy generation and supply	Non-linear aspects of large scale property development	Non-linear aspects of social infrastructure development	Non-linear aspects of agri-industry	Linear Activities
2. Operation or undertaking of activities	**Registers** Hazardous substances, emergency procedures, environmental incidents, dealing with public complaints and environmental induction and training. **Reporting Requirements** Lists all required reports and their frequency of production. Also details the environmental requirements for the site diary. **Public Communication** Specifies channels of communication with the public and the frequency of such communication.	**Registers** Hazardous substances, emergency procedures, environmental incidents, dealing with public complaints and environmental induction and training. **Reporting Requirements** Lists all required reports and their frequency of production. Also details the environmental requirements for the site diary. **Public Communication** Specifies channels of communication with the public and the frequency of such communication.	**Registers** Hazardous substances, emergency procedures, environmental incidents, dealing with public complaints and environmental induction and training. **Reporting Requirements** Lists all required reports and their frequency of production. Also details the environmental requirements for the site diary. **Public Communication** Specifies channels of communication with the public and the frequency of such communication.	**Registers** Hazardous substances, emergency procedures, environmental incidents, dealing with public complaints and environmental induction and training. **Reporting Requirements** Lists all required reports and their frequency of production. Also details the environmental requirements for the site diary. **Public Communication** Specifies channels of communication with the public and the frequency of such communication.	**Registers** Hazardous substances, emergency procedures, environmental incidents, dealing with public complaints and environmental induction and training. **Reporting Requirements** Lists all required reports and their frequency of production. Also details the environmental requirements for the site diary. **Public Communication** Specifies channels of communication with the public and the frequency of such communication.
3. Rehabilitation of the environment	**Reinstatement and Rehabilitation** Removal and disposal of structures; infrastructure; waste; rubble; pollutants; shaping; topsoil replacement; ripping, scarifying and re-vegetation; and contract completion.	**Reinstatement and Rehabilitation** Removal and disposal of structures; infrastructure; waste; rubble; pollutants; shaping; topsoil replacement; ripping, scarifying and re-vegetation; and contract completion.	**Reinstatement and Rehabilitation** Removal and disposal of structures; infrastructure; waste; rubble; pollutants; shaping; topsoil replacement; ripping, scarifying and re-vegetation; and contract completion.	**Reinstatement and Rehabilitation** Removal and disposal of structures; infrastructure; waste; rubble; pollutants; shaping; topsoil replacement; ripping, scarifying and re-vegetation; and contract completion.	**Reinstatement and Rehabilitation** Removal and disposal of structures; infrastructure; waste; rubble; pollutants; shaping; topsoil replacement; ripping, scarifying and re-vegetation; and contract completion.
4. Issues relating to closure	Post closure monitoring which may include, testing of soil and groundwater for contamination. The stableness of the ground could also be monitored to minimise possible large scale erosion and mud slides during the rainy season.	Post closure monitoring which may include, testing of soil and groundwater for contamination. The stableness of the ground could also be monitored to minimise possible large scale erosion and mud slides during the rainy season.	Post closure monitoring which may include, testing of soil and groundwater for contamination. The stableness of the ground could also be monitored to minimise possible large scale erosion and mud slides during the rainy season.	Post closure monitoring which may include, testing of soil and groundwater for contamination. The stableness of the ground could also be monitored to minimise possible large scale erosion and mud slides during the rainy season.	Post closure monitoring which may include, testing of soil and groundwater for contamination. The stableness of the ground could also be monitored to minimise possible large scale erosion and mud slides during the rainy season.
Who should implement the EMP?	The person or organisation proposing a project or activity may be described as the Project Proponent. Ultimately, the Project Proponent is responsible for the development and implementation of the EMP and, where relevant, ensuring that the conditions of environmental authorisation are satisfied. It may be appropriate for responsibility for the EMP to pass to the operator of the facility once it is fully operational.	The person or organisation proposing a project or activity may be described as the Project Proponent. Ultimately, the Project Proponent is responsible for the development and implementation of the EMP and, where relevant, ensuring that the conditions in the environmental authorisation are satisfied. It may be appropriate for responsibility for the EMP to ultimately pass to a home owners association in housing developments.	The person or organisation proposing a project or activity may be described as the Project Proponent. Ultimately, the Project Proponent is responsible for the development and implementation of the EMP and, where relevant, ensuring that the conditions in the environmental authorisation are satisfied. It may be appropriate for responsibility for the EMP to ultimately pass to a home owners association in housing developments.	The person or organisation proposing a project or activity may be described as the Project Proponent. Ultimately, the Project Proponent is responsible for the development and implementation of the EMP and, where relevant, ensuring that the conditions in the environmental authorisation are satisfied.	A person must be appointed to implement the EMP requirements. For the construction phase, this person is usually appointed by the Contractor.
Mechanisms for monitoring compliance	Auditing (internal and external) and reporting thereon. Where necessary taking remedial action to comply.	Auditing (internal and external) and reporting thereon. Where necessary taking remedial action to comply.	Auditing (internal and external) and reporting thereon. Where necessary taking remedial action to comply.	Auditing (internal and external) and reporting thereon. Where necessary taking remedial action to comply.	Auditing (internal and external) and reporting thereon. Where necessary taking remedial action to comply.

LEGAL REQUIREMENTS					
	Non-linear activities associated with energy generation and supply	Non-linear aspects of large scale property development	Non-linear aspects of social infrastructure development	Non-linear aspects of agri-industry	Linear Activities
LIST OF ANY LISTED ACTIVITIES					
GN R544					
Relevant definitions	"dangerous goods": means goods capable of posing a significant risk to the health and safety of people or the environment and which are listed in SANS 10228.	"infill development": means urban development, including residential, commercial, retail, institutional, educational and mixed use development, but excluding industrial development, in a built up area which is at least 50% abutted by urban development and which can be readily connected to municipal bulk infrastructure services.	"infill development": means urban development, including residential, commercial, retail, institutional, educational and mixed use development, but excluding industrial development, in a built up area which is at least 50% abutted by urban development and which can be readily connected to municipal bulk infrastructure services.	agri -industrial: means an undertaking involving the production, processing, manufacture, packaging or storage of agricultural produce and includes battery farm operations that are under roof.	"petroleum:" means any liquid, solid hydrocarbon or combustible gas as defined in Section 1 of the Mineral and Petroleum Resources Development Act.
		"phased development": an activity that is developed in phases over time on the same or adjacent properties to create a single or linked entity through interconnected internal vehicular or pedestrian circulation, sharing of infrastructure, or the continuum of design, style or concept by the same proponent or his or her successors	"phased development": an activity that is developed in phases over time on the same or adjacent properties to create a single or linked entity through interconnected internal vehicular or pedestrian circulation, sharing of infrastructure, or the continuum of design, style or concept by the same proponent or his or her successors		
Which listed activities are potentially relevant	1(a) if generation is between 10 and 20 megawatts	1 (d) resorts, lodges, hotels or other toursim and hospitatlity facilities in protected areas	1(e) if sports facilities	1(g) if involving slaughter of animals (10 000 kilograms or more per year.)	
	1(l) if transmission and distribution of electricity above ground (between 33 and 120 kilovolts)	12 The transformation or removal of indigneous vegetation	1 (f) sports spectator facilities	1(h) if concentration of animals as prescribed	
	7 if above ground storage of dangerous good	13 if abstraction of groundwater exceeding general authorisation	1(k) if bulk transportation of sewage or water	1(i) if mariculture or aquaculture	
	23(a),(b) (c) if decommissioning	15 if construction of road wider than 4m or with reserve wider than 6m	1(n) if off-stream storage of water	1(j) if outside current industrial zoning and more than 1000 m2	
	24(a), (b) (c) if recommissioning	17 Phased activities	10 the establishment of cemeteries	13 if abstraction of groundwater exceeding general authorisation	
	25 if expansion or changes to facilities requiring permit amendment	18 if subdivision of land	11 if decommissioning a dam	19 if manufacturing, warehousing, bottling, packaging or storate facility outside industrial zone and more than 1000 square metres	
		19 if manufacturing, warehousing, bottling, packaging or storate facility outside industrial zone and more than 1000 square metres	12 The transformation or removal of indigneous vegetation	21 if involving release of genetically modified organisms	
		20 The transformation of an area zoned for use as public open space or for conservation purpose to another use.	13 if abstraction of groundwater exceeding general authorisation	22 if involving release of biological pest control organism	
		23(c) if decommissioning and the land is contaminated	15 if construction of road wider than 4m or with reserve wider than 6m	23(c) if decommissioning and the land is contaminated	

LEGAL REQUIREMENTS					
	Non-linear activities associated with energy generation and supply	**Non-linear aspects of large scale property development**	**Non-linear aspects of social infrastructure development**	**Non-linear aspects of agri-industry**	**Linear Activities**
		25 if expansion or changes to facilities requiring permit amendment	17 Phased activities	24 (c) if recommissioning	

LEGAL REQUIREMENTS

	Non-linear activities associated with energy generation and supply	Non-linear aspects of large scale property development	Non-linear aspects of social infrastructure development	Non-linear aspects of agri-industry	Linear Activities
			18 if subdivision of land	25 if expansion or changes to facilities requiring permit amendment	
			20 The transformation of an area zoned for use as public open space or for conservation purpose to another use.		
			23(c), (d), (e) (f) (g) if decommissioning and land is contaminated		
			24 if recommissioning		
			25 if expansion or changes to facilities requiring permit amendment		
Consider phased activities (Activity 17)		17 likely if development is phased			
Consider location-related listed activities: near river or stream (within 100m of highwater mark on a floodplain, wetland, lagoon, lake or in-stream dam); in a listed ecosystem or on land zoned public open space or for conservation	Nuclear facilities likely to involve activities within 100m of highwater mark			Aquaculture likely to involve activities within 100m of the highwater mark	Location based activities must be considered as it is likely that a road, railway, pipeline or cable will cross or impact on land which meets one or more of these criteria
GNR 387					
	1(a) if generation of more than 20 megawatts covering an area in excess of 1 ha	5 if involving major road	Extraction of gas from landfill		
	1(b) if nuclear reaction		1(n) if transfer of water between catchments or impoundments		
	1 (c) if involving above ground storage of dangerous good		1(s) if construction of railway line		
	1(l) if transmission and distribution of electricity above ground 120 kilovolts or more		1(t) if sports facilities		
			6 if construction of dam		
Consider scale of development: more than 20 ha (activity 2)		Likely to be more than 20ha			Likely to be more than 20ha
Consider location: within 100m of highwater mark (activity 9) listed ecosystem (activity 10)	Nuclear facilities likely to involve activities within 100m of highwater mark			Aquaculture likely to involve activities within 100m of highwater mark	Location based activities must be considered as it is likely that a road, railway, pipeline or cable will cross or impact on land which meets one or more of these criteria

	ANNEX B: CHECKLIST OF QUESTIONS TO ASSIST SCOPING OF ISSUES, POTENTIAL IMPACTS AND SPECIALIST INPUT NEEDED								
	EMISSIONS QUESTIONS	**YES**	**NO**	**DON'T KNOW**	**NOT RELEVANT**	**SPECIALIST INPUT**		**INFORMATION SOURCES**	**COMMENTS**
						Yes	**No**		
1	Will there be point source emissions to atmosphere?								
2	Will there be any constituents in air emissions that are known to be harmful to human health?								
3	Will fugitive emissions be produced at a significant level?								
4	Will the project result in GHGs?								
5	Will the project produce effluent?								
6	Will effluent contain any toxic, harmful or hazardous substances?								
7	Will effluent be discharged to a water course or water body?								
8	Will effluent be discharged to the municipal sewer?								
9	Will hazardous waste be produced?								
10	Will medical or bio-hazardous waste be produced?								
11	Will domestic waste be produced?								
12	Will non-hazardous / general waste be produced?								
13	Will garden waste be produced?								
14	Will business waste be produced (as defined in the National Environmental Management Waste Act 59 of 2008)?								
15	Will building waste be produced?								
16	Will demolition waste be produced?								
17	Will general industrial waste be produced?								
18	Will Section 14 (declared in terms of the National Environmental Management Waste Act 59 of 2008) be produced?								
19	Will the project generate noise?								
20	Will the project generate traffic?								
21	Will the project require the regular use of heavy vehicles?								

	ANNEX B: CHECKLIST OF QUESTIONS TO ASSIST SCOPING OF ISSUES, POTENTIAL IMPACTS AND SPECIALIST INPUT NEEDED								
	PROJECT PLANNING AND DESIGN CONSIDERATIONS	YES	NO	DON'T KNOW	NOT RELEVANT	SPECIALIST INPUT NEEDED		INFORMATION SOURCES	COMMENTS
						Yes	No		
1	Does the project include water conservation design measures or technology?								
2	Will rainwater collection or harvesting take place?								
3	Will grey water recycling be implemented?								
4	Does the project include energy conservation design measures or technology?								
5	If the project will produce point source emissions, will technology be fitted to treat, remove or reduce any harmful elements?								
6	If the project will produce non-point source emissions, will technology be fitted to treat, remove, contain or reduce any harmful elements?								
7	Will measures be taken to control fugitive emissions, especially VOCs?								
8	Has consideration been given to minimising GHGs (Green House Gas emissions)?								
9	Has consideration been given to minimising the carbon footprint of the project?								
10	Will measures be taken to reduce emissions and waste at source?								
11	Will waste recycling be undertaken?								
12	Will hazardous / dangerous goods storage areas be designed according to environmental best practice?								
13	If a waste storage area is to be provided, will this be designed in accordance with environmental best practice?								
14	If hazardous waste has been generated, will there be any treatment facilities on site to reduce the hazard level?								
15	If hazardous waste has been generated, will there be any facilities on site to facilitate the re-use or recycling of such waste?								
16	If there is hazardous waste that requires disposal has an appropriately licensed facility confirmed that it will accept the waste?								

	ANNEX B: CHECKLIST OF QUESTIONS TO ASSIST SCOPING OF ISSUES, POTENTIAL IMPACTS AND SPECIALIST INPUT NEEDED								
	PROJECT PLANNING AND DESIGN CONSIDERATIONS	YES	NO	DON'T KNOW	NOT RELEVANT	SPECIALIST INPUT NEEDED		INFORMATION SOURCES	COMMENTS
						Yes	No		
17	If industrial effluent is to be discharged to a water course, will its quality comply with the General Standard as a minimum?								
18	If industrial effluent is produced will it be treated on site to remove harmful constituents (e.g. heavy metals, organic pollutants?)								
19	If there is to be on-site sewage treatment has consideration been given to recycling of the resulting effluent?								
20	If there is to be on-site sewage treatment or landfilling of waste has consideration been given to energy generation opportunities?								
21	Will treatment of industrial water take place so that this water can be re-used in the industrial process?								
22	Will cleaner technology inform the design of the project?								
23	Will environmental factors inform the choice of technology?								
24	Will all storage areas for chemicals and fuels provide be contained as per the accepted standards (e.g. SANS standards)?								
25	Will building materials from renewable sources be used?								
26	If renewable building materials are to be used, will these come from sustainably harvested or produced sources?								
27	Will buildings be designed in accordance with "green building" standards?								
28	Will any recycled building materials be used?								
29	Will organic gardening / landscaping methods be employed?								
30	Will only locally indigenous species be used in landscaped areas / gardens?								

	Annex C	Resource use																										
	Activities and Impacts Matrix: Linear Development	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 chemical substances	Fuel - gas	Recycled concrete and rubble	Cement	Bituman	Fuel - petrol, diesel	Coal	Electricity	Liquid Fuel - HFO, diesel, paraffin, petrol	Coal	Gas - LPG	Renewable - wind, solar	Topsoil	Rock material	Fill material / rubble
	LISTING NOTICE 1																											
	Transport infrastructure																											
1	The construction of facilities or infrastructure, including associated structures or infrastructure, for:																											
(q)	the landing, parking and maintenance of aircraft including - - helicopter landing pads, excluding helicopter landing facilities and stops used exclusively by emergency services; - unpaved aircraft landing strips shorter than 1,4km - structures for equipment and aircraft storage - structures for maintenance and repair - structures for fuelling and fuel storage - structures for air cargo handling																											
(u)	above ground cableways and funiculars;																											
15	The construction of a road that is wider than 4 metres or that has a reserve wider than 6 metres, excluding roads that fall within the ambit of another listed activity or which are access roads of less than 30 metres long.																											
	Sewage and water infrastructure																											
1	The construction of facilities or infrastructure, including associated structures or infrastructure, for:																											
(k)	the bulk transportation of sewage and water, including storm water, in pipelines with - - an internal diameter of 0,36 metres or more - a peak throughput of 120 litres per second or more;																											
	Powerlines																											
(l)	the transmission and distribution of electricity above ground with a capacity of more than 33 kilovolts and less than 120 kilovolts;																											

	Annex C	Resource use																										
	Activities and Impacts Matrix: Linear Development	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 chemical substances	Fuel - gas	Recycled concrete and rubble	Cement	Bitumen	Fuel - petrol, diesel	Coal	Electricity	Liquid Fuel - HFO, diesel, paraffin, petrol	Coal	Gas - LPG	Renewable - wind, solar	Topsoil	Rock material	Fill material / rubble
	LISTING NOTICE 2																											
	Transport infrastructure																											
1	The construction of facilities or infrastructure, including associated structures or infrastructure, for:																											
(j)	the bulk transportation of dangerous goods using pipelines, funiculars or conveyors with a throughput capacity of 50 tons or 50 cubic metres or more per day																											
(k)	the landing, parking and maintenance of aircraft, excluding unpaved landing strips shorter than 1,4 kilometres in length, but including - airports; - runways; - waterways; - structures for engine testing																											
(s)	rail transportation, excluding railway lines and sidings in industrial areas and underground railway lines in mines, but including: - railway lines - stations - shunting yards.																											
5	The route determination of roads and design of associated physical infrastructure, including roads that have not yet been built for which routes have been determined before the publication of this notice and which has not been authorised by a competent authority in terms of the EIA Regulations, 2006 made under section 24(5) of the Act and published in GNR. 385 of 2006, where: - it is a national road as defined in section 40 of the South African National Roads Agency Limited and National Roads Act, 1998 (Act No. 7 of 1998) - it is a road administered by a provincial authority - the road reserve is wider than 30 metres - the road will cater for more than one lane of traffic in both directions																											

	Annex C	Location																																													
	Activities and Impacts Matrix: Linear Devlopments	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	Socail 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
	LISTING NOTICE 1																																															
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	Activities and Impacts Matrix: Linear Devlopments	**Physical**										**Biodiversity**									**Heritage**					**Aesthetics**				**Social**						**Land use**												
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	Annex C	Location																																														
	Activities and Impacts Matrix: Linear Devlopments	**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	Socail 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
(s)	rail transportation, excluding railway lines and sidings in industrial areas and underground railway lines in mines, but including: - railway lines - stations - shunting yards.																																															
5	The route determination of roads and design of associated physical infrastructure, including roads that have not yet been built for which routes have been determined before the publication of this notice and which have not been authorised by a competent authority in terms of the EIA Regulations made under section 24(5) of the Act and published in GNR. 385 of 2006, where: - it is a national road as defined in section 40 of the South African National Roads Agency Limited and National Roads Act 7 of 1998 - it is a road administered by a provincial authority - the road reserve is wider than 30 metres - the road will cater for more than one lane of traffic in both directions																																															

	Annex C	Emissions																													
	Activities and Impacts Matrix: Linear Development	Air										Effluent						Waste								Noise				Runoff			
	Releases to air, soil/land and water	Point source		Dust		Odours		Non-point source / Fugitive		Radioactive emissions		Domestic		Industrial - containing organics		Industrial - containing inorganics		Domestic waste		Construction waste		General		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
	LISTING NOTICE 1																																
	Transport infrastructure																																
1	The construction of facilities or infrastructure, including associated structures or infrastructure, for:																																
(q)	the landing, parking and maintenance of aircraft including - - helicopter landing pads, excluding helicopter landing facilities and stops used exclusively by emergency services; - unpaved aircraft landing strips shorter than 1,4km - structures for equipment and aircraft storage - structures for maintenance and repair - structures for fuelling and fuel storage - structures for air cargo handling																																
(u)	above ground cableways and funiculars;																																
15	The construction of a road that is wider than 4 metres or that has a reserve wider than 6 metres, excluding roads that fall within the ambit of another listed activity or which are access roads of less than 30 metres long.																																
	Sewage and water infrastructure																																
1	The construction of facilities or infrastructure, including associated structures or infrastructure, for –																																
(k)	the bulk transportation of sewage and water, including storm water, in pipelines with - - an internal diameter of 0,36 metres or more - a peak throughput of 120 litres per second or more;																																
	Powerlines																																
(l)	the transmission and distribution of electricity above ground with a capacity of more than 33 kilovolts and less than 120 kilovolts;																																

	Annex C	Emissions																									
	Activities and Impacts Matrix: Linear Development	Air					Effluent			Waste				Noise		Runoff	
	Releases to air, soil/land and water	Point source	Dust	Odours	Non-point source / Fugitive	Radioactive emissions	Domestic	Industrial - containing organics	Industrial - containing inorganics	Domestic waste	Construction waste	General	Hazardous	Continuous noise	Intermittent noise	Contaminated stormwater	Clean runoff
	LISTING NOTICE 2																
	Transport Infrastructure																
1	The construction of facilities or infrastructure, including associated structures or infrastructure, for –																
(j)	the bulk transportation of dangerous goods using pipelines, funiculars or conveyors with a throughput capacity of 50 tons or 50 cubic metres or more per day																
(k)	the landing, parking and maintenance of aircraft, excluding unpaved landing strips shorter than 1,4 kilometres in length, but including - airports; - runways; - waterways; - structures for engine testing																
(s)	rail transportation, excluding railway lines and sidings in industrial areas and underground railway lines in mines, but including: - railway lines - stations - shunting yards.																
5	The route determination of roads and design of associated physical infrastructure, including roads that have not yet been built for which routes have been determined before the publication of this notice and which has not been authorised by a competent authority in terms of the EIA Regulations, 2006 made under section 24(5) of the Act and published in GNR. 385 of 2006, where: - it is a national road as defined in section 40 of the South African National Roads Agency Limited and National Roads Act, 1998 (Act No. 7 of 1998) - it is a road administered by a provincial authority - the road reserve is wider than 30 metres - the road will cater for more than one lane of traffic in both directions																

	Annex D	**Location**																																														
	Activities and Impacts Matrix: Agri-industry	**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	Socail 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
	LISTING NOTICE 1																																															
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																																															

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	Activities and Impacts Matrix: Agri-industry	Physical										Biodiversity									Heritage					Aesthetics				Social						Land use												
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(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;																																															
	Decommissioning of industrial activities																																															
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:																																															
(c)	industrial activities where the facility or the land on which it is located is contaminated or has the potential to be contaminated by any material which may place a restriction on the potential to re-use the site for a different purpose;																																															
	Recommissioning of industrial activities																																															
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 of the Act and published in GNR 385 of 2006, after a period of two years from closure or temporary closure, for:																																															
(c)	facilities for any process or activity, which require permission, authorisation, or further authorisation, in terms of legislation governing the release of emissions, pollution, effluent or waste prior to the facility being recommissioned.																																															

	Annex D	Location																																														
	Activities and Impacts Matrix: Agri-industry	Physical										Biodiversity									Heritage					Aesthetics				Social						Land use												
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	Environmental permits																																															
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 59 of 2008 in which case the activity is regarded to be excluded.																																															
	LISTING NOTICE 2																																															
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 D	Resource use																								
	Activities and Impacts Matrix: Agri-industry	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 chemical substances	Fuel - gas	Fuel - petrol, diesel	Coal	Electricity	Liquid Fuel - HFO, diesel, paraffin, petrol	Coal	Gas - LPG	Renewable - wind, solar	Topsoil	Rock material	Fill material / rubble
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	Activities and Impacts Matrix: Agri-industry	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 chemical substances	Fuel - gas	Fuel - petrol, diesel	Coal	Electricity	Liquid Fuel - HFO, diesel, paraffin, petrol	Coal	Gas - LPG	Renewable - wind, solar	Topsoil	Rock material	Fill material / rubble
	Decommissioning of industrial activities																									
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:																									
(c)	industrial activities where the facility or the land on which it is located is contaminated or has the potential to be contaminated by any material which may place a restriction on the potential to re-use the site for a different purpose;																									
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