		LEGA			
	energy generation and supply	Non-linear aspects of large scale property. development	Non-linear aspects of social intrastructure development	Non-linear aspects of agri-industry	Linear Activities
Environmental Manager	nent Plan				
What key issues should the environmental management plan address:	safety and radiation issues, hazardous	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 handover; site and infrastructure (structures and accommodation, access roads, stockpile areas, batching plants, crusher plants, sand washing plants, nurseries, gates and fences) location, layout	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.	location, layout and design, site demarcation and access; site layout plan, site clearance; protection of natural and cultural resources, site	(structures and accommodation, access roads, stockpile areas, batching plants, crusher plants, sand washing plants,
	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; allen 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.	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	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 control measures (including air pollution); handling and disposal of hazardous substances; liquid and solid waste disposal; fire prevention and control: on-site quarrying activities; spoll 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; 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 materia topsoil removal, handling and conservatio 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 poliution control measures (including air poliution); handling and disposal of hazardous substances; liquid and solid waste disposal; fire prevention and contro on-site quarrying activities; spoil sites; tri management and control (dust, noise, visual, neighbour relations); disruptions to services (electricity, telecommunications, etc.); and blasting.

10 of 14

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		LEGA	AL REQUIREMENTS		
	Non-linear activities associated with energy generation and supply	Non-linear aspects of farge scale property 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 Regulrements 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.

11 of 14

		LEGA	L REQUIREMENTS		
	Non-linear activities associated with energy generation and supply		Non-Unear aspects of social infrastructure development	Non-linear aspects of agri-industry	Linear Activities
GN ALVIS	NAME OF TAXABLE PARTY.	and a substant			
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.	"infil 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 propereties to create a single or linked entity through interconnected internai 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 propereties 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(I) 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	

13 of 14

LEGAL REQUIREMENTS

	a wind the second se	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	17 Phased activities	24 (c) if recommissioning	
		requiring permit amendment			
L					

		LEGA	L 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, raiway, pipeline or cable will cross or impact on land which meets one or more of these criteria
San San	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(I) 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) isted 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 lan which meets one or more of these criteria

EMISSIONS QUESTIONS	YES	NO	DON'T	NOT RELEVANT		IALIST	INFORMATION SOURCES	COMMENTS
					Yes	11 C 11 C		
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 IS		a second on the		for the state of the local state of the stat			
PROJECT PLANNING AND DESIGN CONSIDERATIONS	YES	NO	DON'T KNOW	NOT RELEVANT		IEEDED	COMMENTS
1 Does the project include water conservation design measures or technology?					Yes	NO	
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? 							

PROJECT PLANNING AND DESIGN CONSIDERATIONS	YES	NO	DONT	NOT RELEVANT		IALIST	INFORMATION SOURCES	COMMENTS
	1.		ratoti	ALLEVAN	Yes			
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?								
 Will environmental factors inform the choice of technology? 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?					<u> </u>			
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?								

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	Activities and Impacts Matrix: Linear Development		•~ [and	l typ	e	2010		Wa	ater :	sourd	;e			Ra	n Ma	ateri	als			En	ergy	sour	<u>ce</u>		Sol	14: A.
	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 Motor Boord Writer Sentices Provides (Municipal	Chemicals - non hazardous	Hazardous chemical substances	Fuel - gas	Recycled concrete and rubble	Cement	Bituman	Fuel - petrol, diesel	Coal	1	Liquid Fuet - HFO, diesel, parafitin, petrol Coal	Gas-LPG	Renewable - wind, solar	Topsoil	Rock material	Fill material / rubble
												- IVI			ant sh	144										6-912-17 8-1-17 8-1-17	
	Transport infrastructure																									F	
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;	╢─	\vdash		\vdash			╢─		\vdash	+	+	┢	1-	+												
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																										Γ
(I)	the transmission and distribution of electricity above ground with a capacity of more than 33 kilovolts and less than 120 kilovolts;																										Γ

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Resource use Annex C Water source **Raw Materials** Energy source Land type Activities and Impacts Matrix: Linear Development Soil Use of natural resources **Municip**: Use of communal/public resources paraffin, petrol Recycled concrete and rubble Hazardous chemical substanc Chemicals - non hazardous solar Fill material / rubble Undeveloped - urban Undeveloped - rural Prov ē Developed - urban Rock material River or stream Renewable - wind, Public / state fai Fuel - petrol, die Groundwate Liquid Fuel - HFO, diesel, Communal Electricity Sea water Wetland Board/ Water Services Fuel - gas Cement Gas - LPC Bituman Tonsoi Agricultu Coal Coal Dam Water LISTING NOTICE 2 12. 30° M Transport infrastructure The construction of facilities or infrastructure, including associated structures or infrastructure, 1 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

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	Annex C														_							L	ocat	ion																				٦
	Activities and Impacts Matrix: Linear				P	hys	ical							Biod	live	-					lerit				esth	atler				-1-1		ſ												\neg
	Devlopments			_											Itaei	Sity					ient	age		L^	estn	etics			50	cial							L	and	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	surrace water resources (nver, stream, wettand, dam) Microclimate	Floodplain	Unique habitats	Marine/coastal systems	Freshwater systems	Ecological comdor	Critical Biodiversity Area	Red Data species		E of V ecosystems as demed in the NSBA	intact, prisone or near-prisone inorgenous vegetation Archaeolom/nateoentolom	Cuthinal landscapes / sites	Scientific Value	Historical buildings / sites	Socail Memory	Scenic/rural landscapes	Unique architecture	Significant townscapes/streetscapes/precinct	Local community - informal settlement		Community facilities	Public / community access routes	Public Open Space	Communal facilities/areas	Agricultural	Previously mined	Infrastructure	Mixed use	Commercial	Residential	Industrial	Public facility / POS	Declared Nature conservation area / protected area	Urban conservation area	Brownfields (previously developed) Undeveloped	nadorananio
								,	Surrac								ł	5								ซั															Decla			
\vdash	LISTING NOTICE 1 Transport infrastructure			+	_	\rightarrow	+	-+		+		+	-			\rightarrow		_		+					\square	_																		
-	The construction of facilities or infrastructure,				-	-	+	+		+		+					-+	+	_	+-		-			\square																			
	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> </u>	above ground cableways and funiculars;											1-				\neg		+	╈	┢	+	\square		\square	+	+	╋	+	1-			╉	+	+	+	+	+	+				+	+	-
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-		1					+	+		+	+	1			+	-		+	+-	\vdash	\vdash			+	+	+	+	+			-+	+	+	4
1	The construction of facilities or infrastructure, including associated structures or infrastructure, for:																		╢															1										-
(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;															-																												

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	Activities and Impacts Matrix: Linear Deviopments					Phy	sica	ul							Bi	odiv	/ers	ity					He	ritag	je		Ae	esth	etics			5	Soci	al						I	Lan	d us	e					
	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	l Inici e habitats	Marine/coastal systems	Freshwater systems	Evolucional complex			Ked Lata species	Endemic species	CE, E or V ecosystems as defined in the NSBA	Intact, pristine or near-pristine indigenous vegetation	Archaeology/paleoentology	Cultural landscapes / sites	Scientific Value	Historical buildings / sites	Socail Memory	Scenic/rural landscapes	Unique architecture	Significant townscapes/streetscapes/precinct	Scenic routes	Informa		Community facilities		Communal facilities areas			rolesuy		Commercial			Entrin for POS	Designed Mathics according and a motochood area	Decision mature conservation area / protected area	Brownfields (previously developed)		2222200000
	Powerlines		-						1	1		1	+	+	┢	1	+	+					\neg	-1			-1	\neg	+			+		+		╹	+	+	\top	+	+	┢		╈	\top	\top	+	-
	 the transmission and distribution of electricity above ground with a capacity of more than 33 kilovolts and less than 120 kilovolts; 																																															
	LISTING NOTICE 2								1-	+	\square	╢		+		+							-1						-	┱				\top		╈	+	+		\top								1
	Transport Infrastructure								1			╢			1																			Т			Τ			Τ	Т	Т			Г	Т		Τ
	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 																									-																						

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Activities and Impacts Matrix: Linear Deviopments				Pł	iysio	cal							Bio	odive	ersit	y				He	erita	ge		Ae	sthe	ics			Soc	lal								Lar	nd us	se					٦
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	Duck and much lausers	Controductor / evolution antifer	Circlene water reconnect (when stream wetland dam)	Mater resources (INER, Sucaril, Weverin,	Floodplain	Unique habitats	Manne/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/paleoentology	Cultural landscapes / sites	Scientific Value	Historical buildings / sites	Socali Memory	Scenic/rural landscapes	Unique architecture Simificant townscanes/streetscanes/mechod	Scenic routes	Local community - informal settlement	Local community - formal settlement	Community facilities	Public / community access routes	Public Open Space	Communal facilities/areas	Agricultural	r oresuy	Previously mined	Infrastructure	Mixed use	Commercial	Residential	Industrial	Public facility / POS	Declared Nature conservation area / protected area	Urban conservation area	Brownfields (previously developed)	Undeveloped
 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																																													

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Emissions Annex C Activities and Impacts Matrix: Linear Development Air Effluent Waste Noise Runoff Releases to air, soil/land and water industrial - containing inorganics Industrial - containing organics Contaminated stormwater Non-point source / Fugitive Radioactive emissions Construction waste Continuous noise ntermittent noise Domestic waste Clean runoff Point source Hazardous Domestic General Odours Dust Operation Construction Operation Construction Construction Operation LISTING NOTICE 1 Transport infrastructure 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 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 (I) the transmission and distribution of electricity above ground with a capacity of more than 33 kilovolts and less than 120 kilovolts;

116 No. 33333

GOVERNMENT GAZETTE, 29 JUNE 2010

	Annex C								Emis	sions							
	Activities and Impacts Matrix: Linear Development			Air			1	Effluent			Wa	aste		No	oise	Ru	noff
	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	\square	+	+	+						\downarrow \downarrow		\downarrow \downarrow $-$		\square		+
	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)	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																

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Annex D																								Loca	ation	1																					_
Activities and impacts Matrix: Agri- industry					PI	nysi	ical							Bi	odiv	rers	ity					Her	tage			Ae	sthet	lics			Sc	cial								La	nd u	se					
Locational considerations relevant to development footprint Locational considerations relevant to compatibility of development with surroundings	Geological features	Productive soils (Agricultural, Forestry)	Slope	Endable and unstable soils		Ciay soils	Rock and rock layers	Groundwater / exploitable aquifer	Surface water resources (nver, stream, wetland, dam)	MICLOCIITIALE	Floodplain	Unique habitats	Manne/coastal systems Freehwater systems	Francial contract	Cotical Biodiversity Area		red Data species		CE, E Or V ecosystems as demed in the NSBA	intact, pristine or near-pristine indigenous vegetation	Archaeology/paleoentology	Cultural landscapes / sites	Historical huildings / sites	Consil Mamoru		ocenicional tenuscapes	Orlique al critecture Significant townscapes/streetscapes/nrecinct	Comment company at outes	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				+	+	+		-+	+			+	+				+	+	+						T																			_			
A																																															
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: 				-											Τ																																
 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 1000 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 pigstop outry per facility at any time, excluding crites 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 metres per costrich 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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	A	Annex D																					,		Lo	ocati	on																					
		Activities and Impacts Matrix: Agri-					Phy	sica	ป -							Bio	dive	rsity	,				н	erita	ge		A	esth	etics			:	Socia	u -							La	nd u	se					
	L	ndustry ocational considerations relevant to levelopment footprint				Γ		Γ	Γ	fam)	Γ					Γ		Γ		4	tion					Π	-				Т		Τ	Т	Т	┢	Γ								ea			_
	L	ocational 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 comdor	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/paleoentology	Cultural landscapes / sites	Scientific Value	🐰 👾 , Historical buildings / sites	Socail Memory	Scenic/rural landscapes	Unique architecture	 Significant townscapes/streetscapes/precinct 		Local community - informal settlement	 Local community - formal settlement 	Community facilities Public / community access mutes	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
(์ ก t	iquaculture production, including nariculture and algae farms, with a product hroughput of 10 000 kilograms or more per ear;																												1																		
(i a P	gri-industrial purposes, outside areas with in existing land use zoning for industrial surposes, that cover an area of 1 000 quare metres or more;																																														
Ę		Decommissioning of industrial activities																												╡		\pm											_					
	ir ir e o s	Decommissioning of existing facilities or nfrastructure, other than facilities or nfrastructure that commenced under an environmental authorisation issued in terms of the EIA Regulations, 2006 made under ection 24(5) of the Act and published in SNR 385 of 2006, for:																																														
(la o o d	ndustrial activities where the facility or the and on which it is located is contaminated or has the potential to be contaminated by iny material which may place a restriction in the potential to re-use the site for a lifferent purpose;																																														
	1.	Recommissioning of industrial activities					Γ	Γ						Γ																┨		1		╈	\uparrow			\square	\square									
2	in ir o s C y	Recommissioning of existing facilities or nfrastructure, other than facilities or nfrastructure that commenced under an invironmental authorisation issued in terms of the EIA Regulations, 2006 made under ection 24(5) of of the Act and published in SNR 385 of 2006, after a period of two ears from closure or temporary closure, or:																																														
(a g P	acilities for any process or activity, which equire permission, authorisation, or further uthorisation, in terms of legislation poverning the release of emissions, solution, effluent or waste prior to the acility being recommissioned.																																														

	Annex D			_														 					Lo	ocati	on																		 			٦
	Activities and Impacts Matrix: Agri- industry					Phy	sica							1	Blod	liver	sity				He	eritaç	ge		1	lesti	etice	, '			Soci	al							1	Land	luse	e				1
	Locational considerations relevant to development footprint Locational considerations relevant to compatibility of development with surroundings	Geological features	Productive soils (Agricultural, Forestry)	Siope	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	CE, E or V ecosystems as defined in the NSBA	Intact, pristine or near-pristine indigenous vegetation	Archaeology/paleoentology	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	Communal facilities/areas	Andruidt red	Agricultural Francis	Provine with minute	Infrastructure	Mivad usa	Periodu dod	Residential			Declared Nature conservation area / protected area	Urban conservation area	Brownfields (previously developed)	Undeveloped
25	Environmental permits 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.																																													
1	LISTING NOTICE 2 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;																																													

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	Activities and Impacts Matrix: Agri-industry	1.56	1	and	1 typ	e		1.0.1	w	ater	sour	ce		F	law I	Mate	erials		E	nerg	y so	urce	•		Soil
	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	Topseil	Rock material
1	LISTING NOTICE 1 The construction of facilities or infrastructure, including associated structures or infrastructure, for:			2355 A										<u></u>		80.000400		<u>, , , , , , , , , , , , , , , , , , , </u>		//92153					
(f)	the slaughter of animals with a product throughput of 10 000 kilograms or more per year,		\square	\top	\uparrow		+	╟		-						!									
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 metres 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 younge 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 metres 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 	r																							
(i)	aquaculture production, including mariculture and algae farms, with a product throughpu of 10 000 kilograms or more per year;	t I							$\left \right $	-															
(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;			\top		\uparrow		╞		\uparrow															

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	Activities and Impacts Matrix: Agri-industry			and	typ	e .			w	ater	sou	rce	4.772	F	Raw	Mate	erial	5	Ę	Ener	gy s	ourc	e.		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	er Board/ Water Services Provides / Municipal	Chemicals - non hazardous	Hazardous chemical substances	Fuel - gas	Fuel - petrol, diesel	Coal	Electricity	Liquid Fuel - HFO, diesel, paraffin, petrol	Coat	Gas - LPG	Renewable - wind, solar	Liobsoil Liobsoil	Rock material Participation Pa
	Decommissioning of industrial activities												Water								\$277	2.43			
	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;																								
4	Recommissioning of Industrial activities 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.																								
	Environmental permits 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			\square	\square				1-	\square	1-											\vdash			
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;																								