

EIA CHECKLIST

Instructions for Reviewing Scoping and EIA Reports:	
Step 1	Briefly overview the reports to understand how it is organised and to determine the completeness of the information provided.
Step 2	Consider whether each Review Question, is relevant to the specific project. If so enter "Yes" in Column 3.
Step 3	<p>If a Review Question is identified as relevant, review the EIA report in more detail and decide whether the information provided is sufficient for decision-making. If it is complete enter "Yes" or if is incomplete enter "No" in Column 4.</p> <p>Factors to consider include:</p> <ul style="list-style-type: none"> • The legal provisions that apply and the factors that the decision maker is required to take into account in the consent process for the project; • Whether the consent process at the EIA stage is about the principle of the project or the detailed design; • The scale and complexity of the project and the sensitivity of the receiving environment; • Whether the environmental issues raised by the project are high profile; and • The views of the public and consultees about the project and the degree of controversy.
Step 4	If the answer to a Review Question is "No" consider what outstanding information is required and note this in Column 4. The reviewer may also wish to make any suggestions on where or how the information could be obtained

SECTION 1 – PROJECT DETAILS	
1.1	Project Reference No
1.2	Project Title
1.3	Project Location
1.4	Project Co-ordinates
1.5	Property Description (Farm Portion and ownership)
1.6	Applicant:
1.7	Environmental Assessment Practitioner (EAP):

No.	Review Question	Relevant?	Adequately addressed?	Further information
SECTION 2 – PROJECT DESCRIPTION				
The Objectives and Physical Characteristics of the Project				
2.1	Is the need for and objectives of the project explained?			
2.2	Is the location of each Project component identified, using maps, plans and diagrams as necessary?			
2.3	Is the layout of the site(s) occupied by the project described? (including groundlevels, buildings, other physical structures, storage facilities, boundaries, etc)			
2.4	Are any additional services required for the project all described? (e.g. transport access, water, sewerage, waste disposal, electricity, telecomms) or developments (e.g. roads, harbours, powerlines & pipelines			

No.	Review Question	Relevant?	Adequately addressed?	Further information
2.5	Are the types and quantities of raw materials especially water consumption needed for construction and operation discussed?			
2.6	Are the environmental implications of the sourcing of raw materials especially water use discussed?			
2.7	Are the methods for collecting, storing, treating, transporting and finally disposing of the wastes described (including spoil material)?			
2.8	Is the potential for resource recovery from wastes and residues discussed? (including re-use, recycling or energy recovery from solid waste and liquid effluents)			
Risks of Accidents and Hazards				
2.9	Are any risks associated with the Project discussed? <ul style="list-style-type: none"> • Risks from handling of hazardous materials • Risks from spills, fire, explosions • Risk of traffic accidents • Risks from breakdown or failure of processes or facilities • Risks from exposure of the Project natural disasters (earthquake, flood, landslide, etc) 			
2.10	Are measures to prevent and respond to accidents and abnormal events described? (preventative measures, training, contingency plans, emergency plans, etc.)			
SECTION 3 – CONSIDERATION OF ALTERNATIVES				
3.1	Is the process by which the Project was developed described and are alternatives considered during this process described especially if the proposed project has a large negative impact on the affected communities or the water and forest resources?			
SECTION 4 – RECEIVING ENVIRONMENT				
4.a	Is a description of the receiving environment provided, in terms of the following features:			
b	Geology and groundwater			
c	Aquatic environment (types of water resources, present state, characteristics; water availability)			
SECTION 5 – POTENTIAL IMPACTS OF THE PROJECT ON THE ENVIRONMENT				
5.1	Have the impacts of the project on surrounding land use been described, especially the impact on existing water and sanitation infrastructure, dams, water resources, wetlands, etc <i>[WS - may be able to provide inputs and recommendations]</i>			
5.2	Is the impact on the water environment described in terms of types of water resources, present state and characteristics, as well as water availability? (including running and static surface waters, groundwaters, estuaries, coastal waters and the sea and including run off and drainage. NB not relevant if water environment will not be affected by the Project)			

No.	Review Question	Relevant?	Adequately addressed?	Further information
5.3	Are the hydrology, water quality and use of any water resources that may be affected by the project described? (including use for water supply, fisheries, angling, bathing, amenity, navigation, effluent disposal) <i>[WS - resource quality affects potable water quality]</i>			
5.4	Are the disruption and/or contamination of the groundwater aquifers discussed, and the potential consequential impact to surface water?			
5.5	Have all sensitive areas been identified and has the impact on such areas been quantified? (including buildings, other structures, mineral resources, water resources)			
5.6	Is the impact on indigenous forests, grasslands and protected trees described?			
5.7	Where surveys have been undertaken as part of the Environmental Studies to characterise the baseline environment, have the methods used, any difficulties encountered and any uncertainties in the data been described? (including water quality monitoring data)			
5.8	Are there any issues on data collection and specialist studies not addressed in checklist and further information is required before a decision can be taken?			
SECTION 6 – SIGNIFICANT ENVIRONMENTAL IMPACTS				
Prediction of Direct Effects				
6.1	Are direct effects on the characteristics of the water resource described and where appropriate quantified?			
6.2	Are direct effects on uses of the water environment described and where appropriate quantified?			
6.3	Are direct effects on threatened forest ecosystems provided in terms of: <ul style="list-style-type: none"> • Status – critically endangered, endangered and vulnerable • Habitat loss Ecosystem degradation & loss of integrity / loss of habitat quality Priority areas for meeting explicit biodiversity targets 			
Evaluation of the Significance of Effects				
6.4	Are the following factors considered in the assessment of each identified potentially significant impact – <ul style="list-style-type: none"> ○ cumulative impacts; ○ the nature of the impact; ○ the extent and duration of the impact; ○ the probability of the impact occurring; ○ the degree to which the impact can be reversed; ○ the degree to which the impact may cause irreplaceable loss of resources; and ○ the degree to which the impact can be mitigated; 			
SECTION 7 – MITIGATION MEASURES				
7.1	Where there are significant adverse effects on any aspect of the environment, especially the water resource, is the			

No.	Review Question	Relevant?	Adequately addressed?	Further information
	potential for mitigation of these effects discussed?			
7.2	Are all measures, which the developer proposes to implement to mitigate effects clearly described and their effects on the magnitude and significance of impacts, clearly explained?			
7.3	Are arrangements proposed to monitor and manage residual impacts?			
SECTION 8 – SPECIALIST STUDIES				
8.1	Are the requisite specialist included? Studies may include: <ul style="list-style-type: none"> ○ Wetland ○ Aquatic ○ Delineation (riparian area and/or wetlands) ○ Geology and geohydrological ○ Agricultural potential ○ Socio-economic 			
SECTION 9 – PUBLIC PARTICIPATION				
9.1	Have the steps that were taken to notify potentially interested and affected parties been explained?			
9.2	Has a list of registered interested and affected parties been provided?			
9.3	Has a summary of the issues raised by interested and affected parties, the date of receipt of and the response of the EAP to those issues been provided?			
SECTION 10 – LEGISLATION AND GUIDELINES				
10.1	Have all the legislation and guidelines applicable to the project been identified?			
SECTION 11 – PLAN of STUDY FOR EIA				
11.1	Have the necessary provisions for water and forestry resources been made in the plan of study for EIA?			
SECTION 12 – DWA SPECIFIC REQUIREMENTS				
NEED FOR WATER USE AUTHORISATION				
12.1	Does the activity require authorisation for a water use in terms of the National Water Act (No. 36 of 1998)?			
12.2	If the activity entails a water use, is proof attached that an application was submitted to DWA?			
12.3	Was an Integrated Water and Waste Management Plan (IWWMP) submitted?			
12.4	Did the IWWMP include an Environmental Risk Assessment?			
12.5	Was a Reserve Determination undertaken?			

OVERALL APPRAISAL OF THE EIA REPORT
--

Comment:
