

SUMMARY OF ISSUES RAISED FROM THE PERIOD OF SUBMISSION OF THE FINAL SCOPING REPORT TO THE RELEVANT AUTHORITY TO 14 DECEMBER 2009

Aspect comment:	Draft EIR Section and/ or Appendix where aspect discussed:
EIA (Technical and Public Participation)	
<ul style="list-style-type: none"> • Independence and transparency of peer reviewers for the Environmental Impact Assessment (EIA) process. 	<ul style="list-style-type: none"> • EIR Section 7.6
<ul style="list-style-type: none"> • Responsibility of Arcus GIBB, as the independent Environmental Assessment Practitioner (EAP), in the public's best interest. 	<ul style="list-style-type: none"> • EIR Section 2.3, EIR Section 6.5
<ul style="list-style-type: none"> • Independence of Arcus GIBB and ACER (Africa) in respect to the EIA for Nuclear-1. 	<ul style="list-style-type: none"> • EIR Section 6.5
<ul style="list-style-type: none"> • Public education to form part of the EIA and Public Participation Processes (PPP). 	<ul style="list-style-type: none"> • EIR Section 7.1 - Section 7.5
<ul style="list-style-type: none"> • Lack of PPP undertaken for the proposed Nuclear-1 EIA. 	<ul style="list-style-type: none"> • EIR Section 7.1 - Section 7.5, EIR Appendix D
<ul style="list-style-type: none"> • Inadequacy in addressing and reflecting Interested and Affected Party (I&AP) comments in EIA documents. 	<ul style="list-style-type: none"> • EIR Section 1.2.2 and Section 7.1, Appendix D
<ul style="list-style-type: none"> • Validity of air quality results during the Scoping Phase of the project. 	<ul style="list-style-type: none"> • EIR Appendix E10
<ul style="list-style-type: none"> • Emissions of Green House Gasses (GHG) and radiation from the proposed Nuclear Power Stations (NPS). 	<ul style="list-style-type: none"> • EIR Section 4.3 and Appendix E10
<ul style="list-style-type: none"> • Unacceptable interaction of specialists' with members of the public. 	<ul style="list-style-type: none"> • EIR Section 7.6.3
<ul style="list-style-type: none"> • Concern regarding initial identification of alternatives in 1984. 	<ul style="list-style-type: none"> • EIR Section 5.2
<ul style="list-style-type: none"> • Exclusion of Brazil and Schulpfontein from further investigation from the EIA process. 	<ul style="list-style-type: none"> • EIR Section 5.2
<ul style="list-style-type: none"> • Option of expanding Koeberg NPS as an alternative for Nuclear-1. 	<ul style="list-style-type: none"> • Appendix D8
<ul style="list-style-type: none"> • Number and cost effectiveness of alternatives under consideration during the EIA process. 	<ul style="list-style-type: none"> • EIR Section 5.2
<ul style="list-style-type: none"> • Development of NPSs on all three sites as opposed to one. 	<ul style="list-style-type: none"> • Chapters 1 and 9
<ul style="list-style-type: none"> • Socially irresponsible to build on unspoilt coastline. 	<ul style="list-style-type: none"> • Chapter 9
<ul style="list-style-type: none"> • Transportation of nuclear fuels to and from the NPS. 	<ul style="list-style-type: none"> • EIR Section 6.3.4
<ul style="list-style-type: none"> • Control of radioactive emissions. 	<ul style="list-style-type: none"> • EIR Appendix E10
<ul style="list-style-type: none"> • Impact of effluent and sewerage water on freshwater ecosystems. 	<ul style="list-style-type: none"> • EIR Appendix E12

Waste disposal (nuclear)	
<ul style="list-style-type: none"> Storage, transport, disposal of spent nuclear fuels. 	<ul style="list-style-type: none"> EIR Section 3.14, EIR Section 6.3.4
<ul style="list-style-type: none"> Decommissioning of the NPS with respect to fuels and spent fuels, irradiated materials and operational wastes. 	<ul style="list-style-type: none"> EIR Section 3.21.3
<ul style="list-style-type: none"> Indestructibility of nuclear waste over long periods of time and associated impacts. 	<ul style="list-style-type: none"> EIR Section 3.14, EIR Section 6.3.4, Chapter 9
Financial / Economic	
<ul style="list-style-type: none"> Affect on economy of Jeffrey's Bay if lose support of surfing industry. 	<ul style="list-style-type: none"> EIR Appendix E17
<ul style="list-style-type: none"> Investigation of economic viability within the EIA process. 	<ul style="list-style-type: none"> EIR Section 4 & % Although no "specific" financial info is given
<ul style="list-style-type: none"> Potential financial injection into the Gansbaai area which would positively impact the agricultural industry in the region. 	<ul style="list-style-type: none"> EIR Appendix E17
<ul style="list-style-type: none"> Responsible party for insurance liability risk, and associated costs. 	<ul style="list-style-type: none"> EIR Section 4 and Appendix D8
<ul style="list-style-type: none"> Evidence of business case and financial viability for Nuclear-1. 	<ul style="list-style-type: none"> EIR Section 4 and Appendix D8
<ul style="list-style-type: none"> Financial provisions for decommissioning and spent fuel management. 	<ul style="list-style-type: none"> EIR Section 4 and Appendix D8
<ul style="list-style-type: none"> Assessment of macro-economic issues within the EIA process. 	<ul style="list-style-type: none"> EIR Appendix E17
<ul style="list-style-type: none"> Comprehensive assessment of nuclear industry within South Africa and associated short and long term waste related costs. 	<ul style="list-style-type: none"> EIR Section 4 and Appendix D8
<ul style="list-style-type: none"> Cost of renewable energy versus nuclear power. 	<ul style="list-style-type: none"> EIR section 4.2.2
<ul style="list-style-type: none"> Development costs associated the proposed NPS. 	<ul style="list-style-type: none"> EIR Section 4 and Appendix D8
<ul style="list-style-type: none"> Employment as a result of the proposed NPS. 	<ul style="list-style-type: none"> EIR Appendix E18
Alternative generation options (including renewables)	
<ul style="list-style-type: none"> Renewable energy as an alternative to the proposed NPS for base load power. 	<ul style="list-style-type: none"> EIR Section 4.1, EIR Section 6.3.6 – 6.3.11
<ul style="list-style-type: none"> Nuclear power is considered costly, toxic, not emission free and potential security threat. 	<ul style="list-style-type: none"> EIR Section 4.3, EIR Section 6.3.6 – 6.3.11

<ul style="list-style-type: none"> • Quick implementation of renewable energy versus the implementation of nuclear energy. 	<ul style="list-style-type: none"> • EIR Section 4.3, EIR Section 6.3.6 – 6.3.11
<ul style="list-style-type: none"> • Capability of Eskom to maintain more nuclear power stations. 	<ul style="list-style-type: none"> • Appendix D8
<ul style="list-style-type: none"> • Capability to provide the required skilled labour to maintain additional nuclear power stations. 	<ul style="list-style-type: none"> • Appendices E18 and D8
<ul style="list-style-type: none"> • More research towards methods for obtaining and storing less polluting electricity. 	<ul style="list-style-type: none"> • EIR Section 4
<ul style="list-style-type: none"> • Controversy and time periods associated with the construction of nuclear power stations. 	<ul style="list-style-type: none"> • Chapter 1
<ul style="list-style-type: none"> • Consideration for medium term solutions such as gas turbines. 	<ul style="list-style-type: none"> • EIR Section 4.2.2, EIR Section 6.3.6 – 6.3.11
<ul style="list-style-type: none"> • Renewable energy cheaper than nuclear energy. 	<ul style="list-style-type: none"> • EIR Section 4.2.2, EIR Section 6.3.6 – 6.3.11
<ul style="list-style-type: none"> • Renewable energy free to harness as opposed to supplying Uranium for nuclear energy. 	<ul style="list-style-type: none"> • EIR Section 4.2.2, EIR Section 6.3.6 – 6.3.11
<ul style="list-style-type: none"> • Wind energy as an alternative to the proposed NPS, particularly at Bantamsklip site. 	<ul style="list-style-type: none"> • EIR Section 4.2.2, EIR Section 6.3.6 – 6.3.11
<ul style="list-style-type: none"> • Nuclear energy preferred in comparison to coal-fired power stations. 	<ul style="list-style-type: none"> • EIR Section 4.2., EIR Section 6.3.6 – 6.3.11
Safety and emergency situations	
<ul style="list-style-type: none"> • Study of catastrophic incidents as part of the EIA process. 	<ul style="list-style-type: none"> • EIR Section 6.3.12, EIR Appendix E26
<ul style="list-style-type: none"> • Nuclear power considered intrinsically unsafe. 	<ul style="list-style-type: none"> • EIR Section 3-19, EIR Section 6.3.12, EIR Appendix E26
<ul style="list-style-type: none"> • Vulnerability of a nuclear power station towards terrorist attacks. 	<ul style="list-style-type: none"> • EIR Section 3-19, EIR Section 6.3.12, EIR Appendix E26
<ul style="list-style-type: none"> • Misuse of Uranium to manufacture nuclear weapons. 	<ul style="list-style-type: none"> • Appendix D8
<ul style="list-style-type: none"> • Safe disposal of the long lasting nuclear waste. 	<ul style="list-style-type: none"> • EIR Section 3.14, , EIR Appendix E26
<ul style="list-style-type: none"> • Specialist studies considering assessment of upset conditions and accidents of the NPS. 	<ul style="list-style-type: none"> • EIR Appendix E26

Site specific matters	
(a) Brazil	
<ul style="list-style-type: none"> Suggested placement of the proposed NPS at Brazil due to degraded ecology due to mining, no freshwater aquifers, low human population, low tourism value, prevailing winds into the sea, existing Kleinzee infrastructure which would be available after cessation of De Beers mining activities. 	<ul style="list-style-type: none"> EIR Section 5.2
<ul style="list-style-type: none"> Exclusion of Brazil and Schulpfontein from further investigation from the EIA process. 	<ul style="list-style-type: none"> EIR Section 5.2
(b) Schulpfontein	
<ul style="list-style-type: none"> Exclusion of Brazil and Schulpfontein from further investigation from the EIA process. 	<ul style="list-style-type: none"> EIR Section 5.2
(c) Duynefontein	
<ul style="list-style-type: none"> Considered as a feasible site for an Eskom Nuclear Power Station. 	<ul style="list-style-type: none"> EIR Section 9
<ul style="list-style-type: none"> Impact on Atlantis aquifer 	<ul style="list-style-type: none"> EIR Section 9.5, EIR Appendix E8
<ul style="list-style-type: none"> Impact on human population residing in close proximity to the proposed site. 	<ul style="list-style-type: none"> EIR Appendix E26
<ul style="list-style-type: none"> Location of Duynefontein site within the Cape Floristic region. 	<ul style="list-style-type: none"> EIR Section D7, EIR Appendix E11
<ul style="list-style-type: none"> Limited water availability within the Duynefontein region. 	<ul style="list-style-type: none"> EIR Section 9.6, EIR Appendix E8
<ul style="list-style-type: none"> Impact on wetlands within the proposed study area. 	<ul style="list-style-type: none"> EIR Section 9.5, EIR Appendix E12
(d) Bantamsklip	
<ul style="list-style-type: none"> Numerous public objections to the establishment of Nuclear-1 at Bantamsklip. 	<ul style="list-style-type: none"> EIR Section 7.1 – 7.5, EIR Appendix D8
<ul style="list-style-type: none"> Pristine natural environment of Bantamsklip should be subject to stricter nature conservation legislation. 	<ul style="list-style-type: none"> EIR Appendix 11, 12 and 13
<ul style="list-style-type: none"> Distance of proposed NPS from Pearly Beach quoted incorrectly as 10 km when in actual fact it would be less than 5 km from Pearly Beach. 	<ul style="list-style-type: none"> Appendix D8

• Impact of proposed NPS and lighting on the night sky.	• EIR Appendix E19
• Impact of introducing a labour workforce to an area of fairly limited population.	•
• Impact on 'grass-fed beef producers' in the Gansbaai region.	• EIR Section 9, EIR Appendix E21
• Impact on avi-tourism in the Overstrand region.	• EIR Section 9, EIR Appendix E22
• Impact of associated transmission lines on Blue Cranes and White Storks in the Overberg region.	• EIR Section 9.10, EIR Appendix E13
• Overberg region tourist destination for whale watching and shark cage diving.	• EIR Section 9, EIR Appendix E22
• Impact on local fishing community.	• EIR Appendix E17
• Suggest that the proposed Nuclear-1 power station and associated powerlines be treated as one EIA process.	• Appendix D8 and Chapter 1
• Impact on income generated mainly through farming, fishing and tourism.	• EIR Section 9, EIR Appendix E17
• Location of the proposed NPS in a rural region as opposed to where the electricity is actually needed, in more developed regions.	• EIR Section 4
(e) Thyspunt	
• Request for a site visit and full phase 1 heritage assessment at the Thyspunt site by the Gamtkwa Khoisan Council	• EIR APPENDIX E20
• Impact of radioactive emissions on the For a Safe Tomorrow (F.A.S.T) organic farm.	• DIER Appendix E10 (Emissions in general)
• Objection to Thyspunt due to existence of archaeological sites, the high visual intrusion a nuclear reactor will cause, high number of threatened fauna and flora species and impact on tourism growth.	• EIR Appendix E20
• Limited evacuation routes should the proposed NPS experience emergency incidents.	• EIR Appendix E26
• Suggestion of Cape Recife peninsula as an alternative site due to existing environmental degradation, predominant wind direction away from inhabited areas and reduced financial cost implications for building of access roads and other infrastructure.	• Appendix D8 and EIR Section 5
• Requests for motivation justifying the development of the proposed NPS at Thyspunt.	• EIR Section 9
• Correction of Emergency Planning Zones around Thyspunt and revised map to indicate Cape St. Francis.	• EIR Section 4
• Concern regarding population data utilised for the Thyspunt NPS site, specifically Greater St. Francis Bay area.	• Appendix E18

Compatibility with current IDP planning and provincial SDPs	
• Development not in line with the various regions' tourist planning strategies.	• EIR Section 6.4.27, EIR Section 6. 4.28
Ancillary infrastructure (roads, construction camps, etc)	
General comments related to agricultural impacts associated with the proposed NPS.	EIR Appendix E21
Vegetation (site specific) and biodiversity	
• Pristine natural environment of Bantamsklip should be subject to stricter nature conservation legislation.	• EIR Section 9.8, 9.10 & 9.11, EIR Appendix E11
Employment / Training	
• Ability to obtain competent staff required for the operation of the proposed NPS.	• ?
Archaeology / Paleoecology / Cultural Heritage	
• Request for a site visit and full phase 1 heritage assessment at the Thyspunt site by the Gamtkwa Khoisan Council.	• EIR Section 9.15, EIR Appendix E20
• Objection to Thyspunt due to existence of archaeological sites, the high visual intrusion a nuclear reactor will cause, high number of threatened fauna and flora species and impact on tourism growth.	• EIR Section 9.15, EIR Appendix E20

Marine effects	
• Affect of radioactive waste, emissions, potential disasters and the damaging effect on marine life.	• EIR Section 9, EIR Appendix E15
• Effect on sea temperature and the current flow that brings the near shore fish to the fishing ground at Bantamsklip.	• EIR Appendix E15
• Effect on larger migratory fish such as Geelbek, Yellowtail, Kabeljou to move out the area.	• EIR Appendix E15
• Impact on the last two traditional line fish harbours in South Africa, namely Struisbaai and Arniston.	• EIR Appendix E15
• Impact on the communities' dependant on the fish as a food source.	• EIR Appendix E15
Property effects (values)	
• Decrease in property prices as a result of community wanting to move out the area.	• EIR Appendix E15
Construction impacts	
• General comments related to construction impacts associated with the proposed NPS.	• EIR Section 5.2.9, EIR Chapter 9
Uranium source / Mining	
• General comments related to sourcing Uranium for the proposed NPS.	• EIR Section 3

Social / Health	
• Contradiction of Constitution of South Africa, where humans have the right to an environment that is harmful to their health and well-being.	• EIR Chapter 6
• Health problems associated with routine nuclear emissions and other nuclear accidents.	• EIR Appendix E24
• Lack of evaluation of public and / or community perceptions.	• EIR Section 7.1 – 7.5
• Risk of HIV through imported labour to the proposed sites.	• EIR Appendix E18
Agricultural effects	
• General comments related to agricultural impacts associated with the proposed NPS.	• EIR Appendix E21 and Chapters 8 and 9
Nuclear technology	
• Nuclear technology with a proven track record should be utilised for any proposed NPS in South Africa.	• EIR Section 3.4 & 3.5; Section 4.3.1
• Safety measures to be considered when considering nuclear power.	• EIR Section 3-19
Other processes – NNR and transmission lines EIA	
• Concern regarding lack of information provided with regards to the location of the proposed electrical supply lines from the proposed NPS sites.	• EIR Appendix E21

Tourism	
• Impact on marine life which is considered a huge tourism attraction along the South African coasts.	• EIR Section 9, EIR Appendix E22
• Development not in line with regions tourist planning strategies.	• EIR Section 9, EIR Appendix E22
• Impact on avi-tourism in the Overstrand region.	• EIR Appendix E22
• Overberg region tourist destination for whale watching and shark cage diving.	• EIR Section 9, EIR Appendix E22
• Impact on income generated mainly through farming, fishing and tourism in Bantamsklip region.	• EIR Section 9, EIR Appendix E22
Visual impact	
• General comments related to visual impacts caused by the proposed NPS and associated transmission power lines.	• EIR Appendix E19 and Chapters 8 and 9
Water resources	
• Potential hydrology impacts of the Koeberg site due to the very low annual rainfall, presence of numerous wetland areas, including the vlei in Table View and the dependency of numerous households within the region dependant on groundwater	• EIR Section 9.6, EIR Appendix E6, EIR Appendix E8, EIR Appendix E9, EIR Appendix E12
Comments raised as part of the Thyspunt Transmission Powerline Integration EIA	
• The impact of a nuclear leak associated with the Nuclear-1 project on surrounding communities.	• EIR Appendix E24, EIR Appendix E26
• Numerous requests to be included in the Nuclear-1 EIA process.	• EIR Section 7.1 – 7.5, EIR Appendix D8

Comments raised as part of the Bantamsklip Transmission Powerline Integration EIA

<ul style="list-style-type: none"> • Reasons for recommencement of the Nuclear-1 EIA process after being put on hold by Eskom and the Government. 	<ul style="list-style-type: none"> • EIR Section 4
<ul style="list-style-type: none"> • The relationship between Arcus GIBB and DEAT. 	<ul style="list-style-type: none"> • Appendix D8
<ul style="list-style-type: none"> • The details of the appointed DEAT case officer for the Bantamsklip power line EIA and the case officer for the Nuclear-1 EIA. 	<ul style="list-style-type: none"> • EIR Section 2
<ul style="list-style-type: none"> • Timeframes for the Nuclear-1 EIA process. 	<ul style="list-style-type: none"> • EIR Section 7
<ul style="list-style-type: none"> • Concern with regards to separate EIA processes for the Transmission lines and the proposed NPS and lack of cumulative impact assessment. 	<ul style="list-style-type: none"> • Appendix D8, EIR Chapters 1 and 7
<ul style="list-style-type: none"> • Impact on tourism associated with the Bantamsklip site for Nuclear-1. 	<ul style="list-style-type: none"> • EIR Appendix E22
<ul style="list-style-type: none"> • Location of proposed NPS sites away from areas where the power is needed. 	<ul style="list-style-type: none"> • EIR Section 3 & Section 4
<ul style="list-style-type: none"> • Lack of assessment of all five site alternatives originally proposed. 	<ul style="list-style-type: none"> • EIR Section 5.2
<ul style="list-style-type: none"> • Suggestion for the formation of specialist committees to investigate the possible impacts of both the NPS as well as the powerlines simultaneously. 	<ul style="list-style-type: none"> • Appendix D8
<ul style="list-style-type: none"> • High cost associated with the construction of a NPS at Bantamsklip as opposed to Koeberg and Thyspunt. 	<ul style="list-style-type: none"> • EIR Chapter 9 and Appendix E17
<ul style="list-style-type: none"> • Transmission line implications should two nuclear power units be established at the Bantamsklip site. 	<ul style="list-style-type: none"> • Appendix D8