ESKOM HOLDINGS LIMITED

ENVIRONMENTAL IMPACT ASSESSMENT (EIA) FOR A PROPOSED NUCLEAR POWER STATION AND ASSOCIATED INFRASTRUCTURE DEA REF. No.:12/12/20/944

Authority Meeting: SAHRA

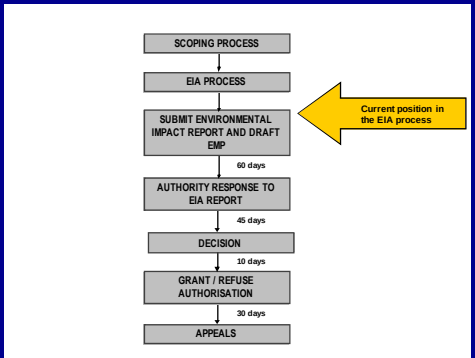
Revised Draft Environmental Impact Report

24 May 2011

WHERE WE ARE NOW

- Draft EIR published for an extended public review period: March to June 2010
- Based on comments and concerns some specialist reports revised
- Revised Draft EIR now available for public comment
- Presentation focuses on the key changes between the original Draft EIR and Revised Draft EIR

EIA PROCESS TO DATE



KEY CHANGES TO REVISED DRAFT EIR

- Completion of Groundwater Monitoring Study undertaken from January to December 2010
- Debris flow assessment at the Thyspunt site
- Completion of a waste specialist assessment covering general, hazardous and radioactive waste
- Identification of an alternative route around Humansdorp for heavy construction vehicles
- Heritage assessment: Thyspunt could be regarded as a "Cultural Landscape" as defined by the UNESCO World Heritage Convention
- Consideration of two cooling water disposal options at Thyspunt: near-shore and off-shore
- Assessment of impact of the disposal of spoil on surf breaks near Thyspunt

KEY CHANGES TO REVISED DRAFT EIR

- Photomontage from Rebelsrus was prepared as part of the Visual Assessment
- Plans for the Pebble Bed Modular Reactor Demonstration Power Plant at Duynefontein have been abandoned
- Areas of the sites and footprint of a Nuclear Power Station on each sites have been revised as follows:

Site	Site Area (ha)	Recommended Footprint area (ha)
Duynefontein	2 849	293
Bantamsklip	1 708	172
Thyspunt	1 638	174

- EMP is site-specific to Thyspunt

KEY SPECIALIST STUDY AMENDMENTS

Heritage and Cultural Resources

- Significant heritage resources at all three sites
- Thyspunt could be regarded as a Cultural Landscape (in terms of UNESCO World Heritage Convention) due to scenic quality of landscape, combined with quantity and quality of heritage resources

KEY SPECIALIST STUDY AMENDMENTS

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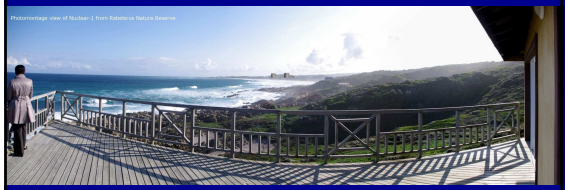
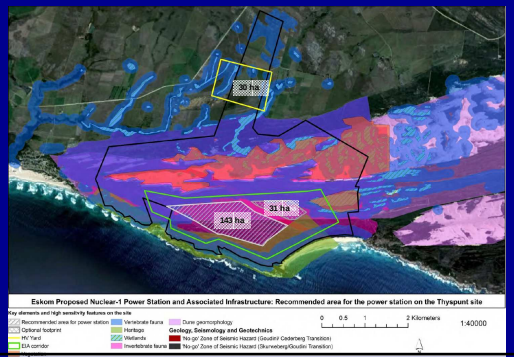
Visual

- Photomontage from Rebelsrus Nature Reserve (3 km from the site)



- Visual impacts during the construction, operation and decommissioning at all sites range from low to medium significance

SITE SENSITIVITY: THYSPUNT – RECOMMENDED FOOTPRINT



WAY FORWARD

- Comment Period – 9 May to 7 August (90 days)
- Websites:
  www.eskom.co.za/eia under the "Nuclear 1-Generation" link
  http://projects.gibb.co.za under the "Nuclear 1 EIA" link
- Executive Summaries (EIR and all Specialist Assessments) are also available in Afrikaans and Xhosa
- Public Participation Process Office has changed to:
  Arcus GIBB (Pty) Ltd Public Participation Officer
  PO Box 3965
  Cape Town 8000
  Tel: 021 469 9180
  Fax: 021 424 5571
  E-mail: nuclear-1@gibb.co.za / nuclear1@gibb.co.za
- Submission of Final EIR to authorities – late 2011
- Decision / Appeal opportunity

THANK YOU