In response to your request for INR's view on South Africa's HEU inventory and Pretoria's intention to declare its full stock, we offer the following information:

As to whether South Africa will declare all its HEU to the IAEA:

While our information is not complete, INR currently believes the government of South Africa is inclined to declare all of its enriched-uranium stockpile to the IAEA.

Reasons for Pretoria to comply with its IAEA safeguards obligations include: fear of exposing (or transferring) covert stockpiles to any future majority-rule government; a desire to improve ties with the international community and to lift trade sanctions (including those relating to peaceful nuclear trade and technology transfers); and the existence of a reduced conventional threat in the region.
As to the likely enrichment level of South Africa's declared nuclear material:

We do not know how much 45-percent enriched material (such as that suitable for the SAFARI-1 research reactor) will be declared.

South Africa might declare certain quantities over the 45-percent level; these might be declared as waste product, for example.

Sincerely,

Randall M. Fort
Deputy Assistant Secretary
Intelligence and Research

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