

LMN/019/0003/4

13/09/85

Research meeting 13 September 1985

Current issues - possible topics for briefings

1. Restructuring of influx control in the light of the President's Council report
2. The Progressive Party and the Convention Alliance

Work in Progress:

Briefings on

1. Consumer boycotts
2. Analysis of statements by the regime (complete)
3. Update of clippings on calls for negotiations with the ANC

Long term prospects:

A briefing on the regimes ideological framework

A briefing on regimes personnel - e.g. Gilomee

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- SAFARI I : Before 1979, was this reactor used for the irradiation of natural uranium or of thorium (oxide, salts, metals or blending metals)? If yes, what happened to the irradiated materials?

Supposing that enriched uranium which is necessary for the functioning of SAFARI I, was not used to serve military ends, which irradiation experiments did the Carter Administration wish to avoid when putting an embargo on the substances necessary for the functioning of SAFARI I ?

- PROCESSING OF MINERALS : Does the final phase of the purification of concentrated uranium use ion transforming resins or phosphate tributyl? Are there laboratories equipped with heavy/significant means of protection (thick wooder walls - 0,5M to 1 M, thick glass porthole) in the processing firms?

Did chemical specialists of uranium purification move about these places equipped with heavy means? (e.g. Pelindaba)

- VALINDABA : Is the uranium hexafluoride necessary for the pilot project (firm) of the enrichment produced at the spot? What is the annual production in quantity? What amount of fluor is consumed? Who provides this fluor?

What are the isotopic quantity + quality of the compounds of uranium invested in and extracted from Valindaba?

What is the electrical consumption of the firm?  
Are chemical specialists associated to the firm?

What are the relative consumptions in hydrogen and helium? Is there an important consumption of liquefied air? Who produces?

The industrial plant of Valindaba is expected to be 20 to 50 times more important than the pilot project. Is it correct?



- THORIUM : Are there in South Africa/Namibia or in the neighbouring countries (exploited) thorium minerals (e.g. manazite)? Is thorium a subject of research in physics or in chemistry at Pelindaba?

- ENERGY : South Africa counts on the utilisation of the 900 MW reactors of Koeberg. Would the neighbouring States be interested in the development of reactors of lesser power which would not necessitate an important network of distribution? Would 100 to 150 MW be correct powers? Where would such plants be installed? What industrial developments can be induced by these installations?

Comments

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