

APPENDIX A: TERMS OF REFERENCE

The Commission is to inquire into and report upon the following matters:

EXPLORATION, EXTRACTION AND MILLING

1. The feasibility of expanding the current level of exploration, extraction and milling of minerals containing radioactive materials in South Australia, the circumstances necessary for such an increase to occur and to be viable, the risks and opportunities created by expanding the level of exploration, extraction and milling, and the measures that might be required to facilitate and regulate that increase in activity.

FURTHER PROCESSING AND MANUFACTURE

2. The feasibility of further processing minerals, and processing and manufacturing materials containing radioactive and nuclear substances (but not for, or from, military uses), including conversion, enrichment, fabrication or re-processing in South Australia, the circumstances necessary for processing or manufacture to be viable, the risks and opportunities associated with establishing and undertaking that processing or manufacture, and the measures that might be required to facilitate and regulate the establishment and carrying out of processing or manufacture.

ELECTRICITY GENERATION

3. The feasibility of establishing and operating facilities to generate electricity from nuclear fuels in South Australia, the circumstances necessary for that to occur and to be viable, the relative advantages and disadvantages of generating electricity from nuclear fuels as opposed to other sources (including greenhouse gas emissions), the risks and opportunities associated with that activity (including its impact on renewable sources and the electricity market), and the measures that might be required to facilitate and regulate their establishment and operation.

MANAGEMENT, STORAGE AND DISPOSAL OF WASTE

4. The feasibility of establishing facilities in South Australia for the management, storage and disposal of nuclear and radioactive waste from the use of nuclear and radioactive materials in power generation, industry, research and medicine (but not from military uses), the circumstances necessary for those facilities to be established and to be viable, the risks and opportunities associated with establishing and operating those facilities, and the measures that might be required to facilitate and regulate their establishment and operation.

In inquiring into the risks and opportunities associated with the above activities, consideration should be given, as appropriate, to their future impact upon the South Australian:

- a. economy (including the potential for the development of related sectors and adverse impact on other sectors);
- b. environment (including considering lessons learned from past South Australian extraction, milling and processing practices); and
- c. community (incorporating regional, remote and Aboriginal communities) including potential impacts on health and safety.