

Get real. **NO**
NUCLEAR
Divisive. Dangerous. Dump.

10 Inconvenient Facts about nuclear waste and SA

- 1** The much-heralded Finnish underground nuclear waste facility (visited by the Premier recently) does not yet have a licence to accept nuclear waste, will not open for at least six years and has been three decades in planning. It is also 20 times smaller than the facility proposed for SA by the Royal Commission.
- 2** The nuclear industry is without peer in terms of cost blow-outs and time over-runs. This is likely to eliminate any anticipated profit for South Australia – which is the sole rationale for the proposed SA dump.
- 3** According to the Royal Commission's own consultants, it could cost South Australia more than \$600 million before we even know whether the project is viable.
- 4** South Australians will have the responsibility to store the waste forever - waste that remains dangerous for over 100,000 years - but no money has been allocated to its management beyond 120 years, or to manage risks such as accident response and clean-up.
- 5** High level nuclear waste will be delivered to SA three decades before deep geological waste storage facility has even been built. Once it arrives, we can't send it back.
- 6** The main client countries anticipated to send nuclear waste to South Australia, including South Korea and Japan, are already exploring domestic solutions to their nuclear waste problem and are not considering overseas solutions.
- 7** The world's only operating underground nuclear waste facility, in New Mexico, USA, closed in 2015 following a chemical explosion brought about by human error. It is still contaminated and yet to re-open.
- 8** The most advanced nuclear nation on Earth, the USA, is committed to a domestic solution to its nuclear waste, but has been unable to secure community support. After spending \$15 billion on Yucca Mountain in Nevada, that underground dump has been abandoned and may never go ahead.
- 9** South Australia is not unique in its geology and has regular earthquakes of magnitude 4 and above.
- 10** Whilst it may be the best idea so far, nobody knows if deep geological disposal of nuclear waste will work in the long term, because it has never been done before.



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