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REPROCESSING OF LEU SILICIDE FUEL AT DOUNREAY

P. Cartwright

UKAEA
Dounreay, UK

ABSTRACT

UKAEA have recently reprocessed two LEU silicide fuel elements in their MTR fuel reprocessing plant at Dounreay. The reprocessing was undertaken to demonstrate UKAEA's commitment to the world-wide research reactor communities future needs. Reprocessing of LEU silicide fuel is seen as a waste treatment process, resulting in the production of a liquid feed suitable for conditioning in a stable form of disposal. The uranium product from the reprocessing can be used as a blending feed with the HEU to produce LEU for use in the MTR cycle.

An electronic copy of the full paper is not available at this time. If you would like to receive a copy of this paper, please contact the author.

Contact:

Mr. Phil Cartwright

UKAEA

D6000 Dounreay, Thurso

Caithness, KU 14 7TZ

United Kingdom

Tel.: +44-1847-80-3036

Fax: +44-1847-80-3949

[ARGONNE NATIONAL LABORATORY](#), [Nuclear Engineering Division](#)

9700 South Cass Ave., Argonne, IL 60439-4814

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