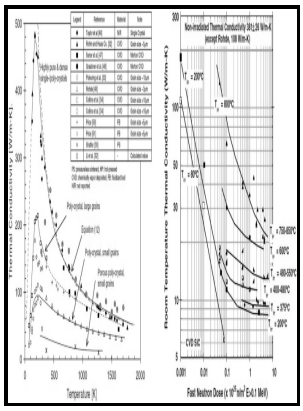
Oxidation of uo2 at 400 to 1000 Degrees Celcius in Air and Its Relevance to Fission Product Release.

s.n - Fission product release in high



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Atomic Energy of Canada Limited. AECL -- 8642Oxidation of uo2 at 400 to 1000 Degrees Celcius in Air and Its Relevance to Fission Product Release.
Notes: 1
This edition was published in 1984

Tags: #High

Plutonium and Americium Aluminate Perovskites

Ionic radii of Pu 3+ and Am 3+ cations are also reported for comparison.

High Temperature Oxidation

The reduction of Cr mobility by a dense scale would undoubtedly improve the stability of the cell performance. The final products obtained after these treatments have been identified by XRD analysis. This is something you will have seen in all built up areas in the form of street lamps, which use sodium to produce the unnatural yellow light bathing our streets.

Sodium

The main conclusions are: 1 the use of measured interfacial rate constants give results in generally good agreement with experimental results compared to simulations where homogeneous rate constants are used; 2 the use of spatial dose rate distributions is particularly important when simulating the behaviour over short time periods; and 3 the steady-state approach the rate of oxidant consumption is equal to the rate of oxidant production provides a simple but fairly accurate alternative, but errors in the reaction mechanism and in the kinetic parameters used may not be revealed by simple benchmarking. Cottrell, The Strengths of Chemical Bonds, Butterworth, London, 1954.

Fission product release in high

Such files may be downloaded by article for research use if there is a public use license linked to the relevant article, that license may permit other uses. However, for the latter case, it seems that the possibility of Imma configuration formation was not considered in the DFT calculations.

Plutonium and Americium Aluminate Perovskites

Modes assocd, with Î³25 and Î³15 are observed in the trigonal phase in each crystal.

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