



B2/75

OLD REPORT

Time after shutdown	1 year	5 years
Frequency of fuel uncover	$< 3 * 10^{-6} / \text{yr}$	$< 3 * 10^{-6} / \text{yr}$
Assumed frequency of unventilated cases	0 /yr	0 /yr
Consequence of fuel uncover	~ 10 hours until zirconium fire	zirconium fire can't occur
EP recommendation	ad hoc EP	no EP (like ISFSI)

NEW REPORT

Time after shutdown	[Joe] years - time will be function of fuel burnup
Frequency of fuel uncover	$< 10^{-6} / \text{yr}$ w/ + w/o ventilation
Estimated frequency of unventilated cases	$> 10^{-7} / \text{yr}$
Consequence of fuel uncover	~ 10 hours until zirconium fire
EP recommendation	ad hoc EP

Time after shutdown	[Joe**] years	
Frequency of initiating events	$< 10^{-6} / \text{yr}$	
Estimated frequency of unventilated cases	$> 10^{-6} / \text{yr}$	
Two cases, depending on initiating event frequency:	$\sim 10^{-6} / \text{yr}$	$< 10^{-7} / \text{yr}$ (with licensee analysis)
Time until zirconium fire	$> [\text{Joe}^{***}]$ hours	$> [\text{Joe}]$ hours
EP recommendation	ad hoc EP - Commission to decide	no EP (like ISFSI) - Commission to decide

* With help (Nelson + Bantam)

** For ventilated case, years to steady state with temperature $< [\text{Charlie}]$

*** For unventilated case, years versus burnup

Partial breakdown + structural