

9/11/00

Go to NUREG-1465 S.T. for best-estimate case.

Use 1465 w/ Rn of .75 and fuel fines of .035 for upper bound case.

Best-Estimate Case

NUREG-1465
Release Fractions

Late Evacuation (early 2)

30 d	atmos 75a → atmos 77a
90 d	atmos 75b → atmos 77b
1 y	atmos 75c → atmos 77c
2 y	atmos 75d → atmos 77d
5 y	atmos 75e → atmos 77e
10 y	atmos 75f → atmos 77f

Early Evacuation (early 695)

30 d	atmos 76a → atmos 78a
90 d	atmos 76b → atmos 78b
1 y	atmos 76c → atmos 78c
2 y	atmos 76d → atmos 78d
5 y	atmos 76e → atmos 78e
10 y	atmos 76f → atmos 78f

Source Term

NG	I	Cs	Te	Sr	Ru	La	Ce	Ba
1	.75	.75	.31	.12	.005	.0052	.0055	.12

I-61

Upper Bound Case

.75 and .035 Release

Late Evacuation (early 2)Frictions

30d atmos 77a → atmos 79a
 90d atmos 77b → atmos 79b
 1y atmos 77a → atmos 79c
 2y atmos 77d → atmos 79d
 5y atmos 77e → atmos 79e
 10y atmos 77f → atmos 79f

Early Evacuation (early 695)

30d atmos 78a → atmos 80a
 70d atmos 78b → atmos 80b
 1y atmos 78c → atmos 80c
 2y atmos 78d → atmos 80d
 5y atmos 78e → atmos 80e
 10y atmos 78f → atmos 80f

Source Term

NG	I	CS	Te	SR	$\frac{R_u}{.75}$	$\frac{L_u}{.035}$	$\frac{C_e}{.035}$	Bq
1	.75	.75	.31	.12	.75	.035	.035	.12