

5/13/99

1. 'FAT FAT/TOTAL' 1 25 (0 TO 500MILES)
'FAT FAT/TOTAL' 1 21 (0 TO 100MILES)

TYPE 1 OUT 029
TYPE 1 OUT 030

~~TYPE NUMBER 30~~

TYPE 1 OUT 032 'CAN FAT/TOTAL' 1 25 (0 TO 500 MILES)

TYPE 1 OUT 031 'CAN FAT/TOTAL' 1 21 (0 TO 100 MILES)

TYPE NUMBER 32

TYPE 5 OUT 004 '7-EDGE BODY' 1 21 (0 TO 100 MILES)
TYPE 5 OUT 005 '7-EDGE BODY' 1 25 (0 TO 500 MILES)

TYPE NUMBER 5

Change EARLY 1. INP to report results of

100 miles and 500 miles

← EARLY 2. INP

1. OUT

(a#l. wpd)

atmos c. inp

chnc l-n. inp

METSE. INP

SURSET. INP

2/50

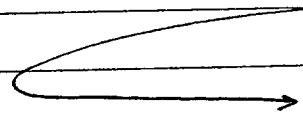
2. Change to 100 persons/mile²

$$\frac{100 \text{ persons}}{\text{mile}^2} \cdot \frac{1 \text{ mile}^2}{2.59 \text{ km}^2} = 38.61 \frac{\text{people}}{\text{km}^2}$$

POPFLG UNIFORM

IBEGIN 1

POPDEN 38.61 (100 PEOPLE PER SQUARE MILE)



EARLY 3. INP
 acmas 69. inp
 chrc 1-n. inp
 METSUR. INP
 " "

2. OUT

3. Put the rest of the core into the spare fuel pool

Millime 1 580 assemblies in core

173 assemblies in a discharge batch

Steps

1. Decay core to 5/1/87

2. Subtract spent fuel batch II on 5/1/87 to get

activity in remaining 23 core on 5/1/87

3. Decay activity in remaining 23 core to 7/1/87 and

4/1/88

4. Add activity in remaining 23 core to 30, 90, 365 day

spent fuel pool activities

30 day inventories => almost 76 inp

early 3 inp

direct n inp

METSUE. INP

" "

76.out

90 day inventories => almost 7c inp } 7c.out

1 year inventories => almost 7d inp } 7d.out

Also, I checked the inventories in atoms 7b, 7c, and 7d against my excel spreadsheet of 5/14/99.

4 Start FP release at 5 hours, }
Start Evacuation at 2 hours }

In "deBult" timing, evacuation started at 2.4 hours and
FP release started at 1 hour.

⇒ Keep evacuation starting at 2.4 hours,
but change FP release start time to 5.4 hours.

$$\begin{aligned} \text{Evacuation starts at } & 8500 \text{ sec} \\ \text{FP release will start at } & 8500 \text{ sec} + 3 \times 3600 \text{ sec} \\ & = 19,300 \text{ sec.} \end{aligned}$$

⇒ change PDECLAY to 19,300 sec (in early)

amos 8b.inp	}	8B.out
early 4.inp (same as early 3.inp)		
ahrscl.inp		
METSUR.INP		
" "		
amos 8c.inp → 8c.out		
amos 8d.inp → 8d.out		

5. Change check fractions for La and Co from 1×10^{-6} to 6×10^{-6}

atmos 9 b. inp
early 4. inp
atmos 9 c. inp
METSUR. IUP
" "
9 b. out

atmos 9 c. inp → 9 c. out
atmos 9 d. inp → 9 d. out

6. Change fraction evacuating from .95 to .995

Change (in early)

1st EZWTFRAC001 from .95 to .995

2nd EZWTFRAC001 from .05 to .005

atmos 8b.inp	}	10b.out
early 5.inp		
chrc 1-n.inp		
METSUR.INP		
" "		

atmos 8c.inp	}	10c.out
early 5.inp		
chrc 1-n.inp		
METSUR.INP		
" "		

atmos 8d.inp	}	10d.out
early 5.inp		
chrc 1-n.inp		
METSUR.INP		
" "		