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* File created using winMACCS version 3.4.5 10/29/2009 5:21:34 PM
*
* DCF_FILE - Identifies the DCF file to be used for the MACCS calculation
DCF_FILE001      'f:\NBixler\winMACCS Projects\IndianPointPalla\Data\DOSDATA.INP'
*
* EANAM1 - Identifies the EARLY calculation
MIEANAM1001      'EARLY.IN, IPEC INPUT FROM THE EVACUATION TIME ESTIMATES'
*
* ENDAT2 - control flag allowing execution of ATMOS and EARLY without CHRONC
MIENDAT2001      .FALSE.
*
* IPLUME - dispersion code option
MIIPLUME001      2
*
* NUMFIN - number of fine-grid subdivisions used by model
MINUMFIN001      7
*
* IPRINT - amount of output desired
MIIPRINT001      0
*
* POPFLG - is population uniform or defined by Site Data File.
PDPOPFLG001      FILE
*
* ORGNAM_DOSFAC, ORGFLG_DOSFAC - list of organs to be included in the calculations
using DOSFAC DCF file
MIORGDEF001      A-SKIN .TRUE.
MIORGDEF002      'A-RED MARR' .TRUE.
MIORGDEF003      A-LUNGS .TRUE.
MIORGDEF004      A-THYROIDH .TRUE.
MIORGDEF005      A-STOMACH .TRUE.
MIORGDEF006      'A-LOWER LI' .FALSE.
MIORGDEF007      L-EDEWBODY .TRUE.
MIORGDEF008      'L-RED MARR' .TRUE.
MIORGDEF009      'L-BONE SUR' .TRUE.
MIORGDEF010      L-BREAST .TRUE.
MIORGDEF011      L-LUNGS .TRUE.
MIORGDEF012      L-THYROID .TRUE.
MIORGDEF013      'L-LOWER LI' .TRUE.
MIORGDEF014      'L-BLAD WAL' .TRUE.
MIORGDEF015      L-LIVER .FALSE.
MIORGDEF016      L-THYROIDH .TRUE.
*
* RISCAT - Output relative contribution of each weather category bins
MIRISCAT001      .FALSE.
*
* OVRRID - Flag indicating if wind Rose defaults from ATMOS are to be overridden
MIOVRRID001      .FALSE.
*
* CSFACT - Cloudshine shielding factor
SECSFACT001      1.
SECSFACT002      0.75
SECSFACT003      0.6
*
* PROTIN - Inhalation protection factor
SEPROTIN001      1.
SEPROTIN002      0.41
SEPROTIN003      0.33
*
* BRRATE - Breathing rates
SEBRRATE001      2.66E-4
SEBRRATE002      2.66E-4
SEBRRATE003      2.66E-4
*

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* SKPFAC - skin protection factors
SESKPFAC001      1.0
SESKPFAC002      0.41
SESKPFAC003      0.33
*
* GSHFAC - groundshine shielding factors
SEGSHFAC001      0.5
SEGSHFAC002      0.4
SEGSHFAC003      0.2
*
* RESCON - Initial value for emergency-phase resuspension concentration factor.
SERESCON001      1.E-4
*
* RESHAF - Emergency-phase resuspension concentration coefficient weathering
half-life.
SERESHAF001      1.82E5
*
* EANAM2 - Name of emergency response scenario
EZEANAM2001      'NO EVACUATION, RELOCATION MODELS APPLY EVERYWHE'
*
* WTNAME - type of weighting factor to be used in generating weighted sum of results
EZWTNAME001      PEOPLE
*
* WTFRAC - weighting fraction applied to results of emergency response scenario
EZWTFRAC001      1.00
*
* LASMOV2 (used for no evacuation), always 0
EZLASMOV001      0
*
* ENDEMP - duration of the emergency-phase period, seconds
SRENDEMP001      604800.
*
* CRIORG - critical organ for relocation decisions during emergency-phase period
SRCRIORG001      L-EDEWBODY
*
* TIMHOT - hot-spot relocation action time, seconds after plume arrival
SRTIMHOT001      43200.
*
* TIMNRM - Normal Relocation Time (Seconds from Plume Arrival)
SRTIMNRM001      86400.
*
* DOSHOT - Hot-Spot Relocation Dose Threshold (Sieverts)
SRDOSHOT001      0.5
*
* DOSNRM - Normal Relocation Dose Threshold (Sieverts)
SRDOSNRM001      0.25
*
* NUMEFA - Number of Early Fatality Effects
EFNUMEFA001      2
*
* ORGNAM2, EFFACA, EFFACB, EFFTHR Early Fatality Effects - target organ, alpha
factor and beta factor for hazard function, and threshold dose (Sieverts)
EFATAGRP001      'A-RED MARR'      3.8      5.0      1.5
EFATAGRP002      A-LUNGS 10.0      7.0      5.0
*
* NUMEIN - Number of Early Injury Effects
EINUMEIN001      7
*
* ORGNAM3, EINAME, EISUSC, EITHRE, EIFACA, EIFACB Early Injury Effects - name,
target organ, affected population fract, threshold dose, alpha factor, beta factor.
EINJUGRP001      'PRODROMAL VOMIT'      A-STOMACH      1.      .5      2.      3.
EINJUGRP002      DIARRHEA      A-STOMACH      1.      1.      3.      2.5
EINJUGRP003      PNEUMONITIS      A-LUNGS 1.      5.      10.      7.

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EINJUGRP004	'SKIN ERYTHEMA'	A-SKIN	1.	3.	6.	5.		
EINJUGRP005	TRANSEPIDERMAL	A-SKIN	1.	10.	20.	5.		
EINJUGRP006	THYROIDITIS	A-THYROIDH		1.	40.	240.	2.	
EINJUGRP007	HYPOTHYROIDISM	A-THYROIDH		1.	2.	60.	1.3	

*
 * NUMACA - number of latent cancer effects
 LCNUMACA001 7
 *
 * ACTHRE - dose threshold for linear dose response, Sieverts
 LCACTHRE001 0.0
 *
 * DDTHRE - dose threshold for applying dose-dependent reduction factor, DDREFA
 LCDDTHRE001 0.2
 *
 * ACNAME, ORGNAM4, ACSUSC, DOSEFA, DOSEFB, CFRISK, CIRISK, DDREFA - Latent Cancer Effects Parameters
 LANCERS001 LEUKEMIA 'L-RED MARR' 1.0 1.0 0.0 9.70E-3 0.0
 2.0
 LANCERS002 BONE 'L-BONE SUR' 1.0 1.0 0.0 9.00E-4 0.0 2.0
 LANCERS003 BREAST L-BREAST 1.0 1.0 0.0 5.40E-3 1.7E-2 1.0
 LANCERS004 LUNG L-LUNGS 1.0 1.0 0.0 1.55E-2 0.0 2.0
 LANCERS005 THYROID L-THYROIDH 1.0 1.0 0.0 7.20E-4 7.2E-3 1.0
 LANCERS006 GI 'L-LOWER LI' 1.0 1.0 0.0 3.36E-2 0.0 2.0
 LANCERS007 OTHER L-EDEWBODY 1.0 1.0 0.0 2.76E-2 0.0 2.0
 *
 * NUM1=0
 TYPE1NUMBER 0
 *
 * NUM1 - Number of results of type 1
 TYPE1NUMBER 4
 *
 * NAME1, I1DIS1, I2DIS1, CCDF1 - Health-Effect Cases
 TYPE1OUT001 'ERL FAT/TOTAL' 1 15 NONE
 TYPE1OUT002 'CAN FAT/TOTAL' 1 15 NONE
 TYPE1OUT003 'CAN FAT/TOTAL' 1 11 NONE
 TYPE1OUT004 'ERL FAT/TOTAL' 1 11 NONE
 *
 * NUM2=0
 TYPE2NUMBER 0
 *
 * NUM3=0
 TYPE3NUMBER 0
 *
 * NUM4=0
 TYPE4NUMBER 0
 *
 * NUM4 - Number of results of type 4
 TYPE4NUMBER 3
 *
 * I1DIS4, NAME4, CCDF4 - Average Individual Risk
 TYPE4OUT001 1 'ERL FAT/TOTAL' NONE
 TYPE4OUT002 2 'ERL FAT/TOTAL' NONE
 TYPE4OUT003 3 'ERL FAT/TOTAL' NONE
 *
 * NUM5 =0
 TYPE5NUMBER 0
 *
 * NUM5 - Number of results of type 5
 TYPE5NUMBER 1
 *
 * NAME5, I1DIS5, CCDF5 - Population Dose
 TYPE5OUT001 L-EDEWBODY 1 15 NONE
 *

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* NUM6 =0
TYPE6NUMBER      0
*
* NUM7=0
TYPE7NUMBER      0
*
* NUM8=0
TYPE8NUMBER      0
*
* NUM8 - Number of results of type 8
TYPE8NUMBER      2
*
* NAME8, I1DIS8, I2DIS8, CCDF8 - Population-weighted Risk
TYPE8OUT001      'ERL FAT/TOTAL' 1      3      NONE
TYPE8OUT002      'CAN FAT/TOTAL' 1      11     NONE
*
* NUMA=0
TYPEANUMBER      0
*
* NUMB =0
TYPEBNUMBER      0
*
* NUMB - Number of results of type B
TYPEBNUMBER      20
*
* NAMEB, IRAD_B, IANG_B, CCDFB - Peak Dose at an (r, theta) Location
TYPEBOUT001      L-EDEWBODY      1      1      NONE
TYPEBOUT002      L-EDEWBODY      2      1      NONE
TYPEBOUT003      L-EDEWBODY      3      1      NONE
TYPEBOUT004      L-EDEWBODY      4      1      NONE
TYPEBOUT005      L-EDEWBODY      5      1      NONE
TYPEBOUT006      L-EDEWBODY      6      1      NONE
TYPEBOUT007      L-EDEWBODY      7      1      NONE
TYPEBOUT008      L-EDEWBODY      8      1      NONE
TYPEBOUT009      L-EDEWBODY      9      1      NONE
TYPEBOUT010      L-EDEWBODY     10      1      NONE
TYPEBOUT011      L-EDEWBODY      1      9      NONE
TYPEBOUT012      L-EDEWBODY      2      9      NONE
TYPEBOUT013      L-EDEWBODY      3      9      NONE
TYPEBOUT014      L-EDEWBODY      4      9      NONE
TYPEBOUT015      L-EDEWBODY      5      9      NONE
TYPEBOUT016      L-EDEWBODY      6      9      NONE
TYPEBOUT017      L-EDEWBODY      7      9      NONE
TYPEBOUT018      L-EDEWBODY      8      9      NONE
TYPEBOUT019      L-EDEWBODY      9      9      NONE
TYPEBOUT020      L-EDEWBODY     10      9      NONE
*
* NUMC=0
TYPECNUMBER      0
*
* NUMD = 0
TYPEDNUMBER      0
*
* DOSMOD, dose model, LNT, AT or PL
LCDOSMOD001      LNT
*
* KIMODL, KI model
EZKIMODL001      NOKI
*
* EFFACY, KI Ingestion
EZEFFACY001      0.
*
* POPFRAC, KI Ingestion

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EZPOPFR001 0.
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