

Appendix E: Example of NUTS's Extensive ASCII Output File

```
IFLAGTIME = 0
TIME STEP # = 0
TIME (Sec.) = 0.0000E+00
DATE OF THE RUN = 17-SEP-95
TIME OF THE RUN = 03:00:50
PROGRAM NAME = NUTS
VERSION NUMBER = 1.02ZO
REVISION DATE = 15-06-95
COMPUTER SYSTEM = ALPHA
IS IT A TEST FILE? Y
OUTPUT FILE TYPE = ASC
RUN TITLE = CONVECTION-DISPERSION-DECAY IN ONE DIMENSION PROBLEM TEST_CONSTANT
FIELD FOR INPUT FILE NAME = U1:[AASHINT.CMS_NUTS.TEST.TEST4]NUCONVECTION-DISPERSION
BRAGFLO/TEST-RUN TITLE = CONSTANT FIELD FOR CONVECTION-DISPERSION-DECAY IN 1D TEST
NUTS-RUN TITLE = CONVECTION-DISPERSION-DECAY IN ONE DIMENSION PROBLEM TEST
NUTS T_CON_DISP_DEC.IN;1
BRAGFLO/TEST-RUN INPUT FILE NAME =
U1:[AASHINT.CMS_NUTS.TEST.TEST4]TEST_CON_DISP_DEC.IN;1
NUTS OUTPUT PREFIX = NUT
ASCII FILE OUTPUT FILE NAME =U1:[AASHINT.CMS_NUTS.TEST.TEST4]NUT_CON_DISP_DEC.OUT
DEBUG FILE OUTPUT FILE NAME = U1:[AASHINT.CMS_NUTS.TEST.TEST4]NUT_CON_DISP_DEC.DBG
*****
Type of the porous media = M
Fracture is a continuum? = F
Matrix is a continuum? = T
Single-porosity calculation? = T
Dual-porosity calculation? = F
Dual-permeability calculation? = F
*****
```



D I M E N S I O N A L I N F O R M A T I O N

```
No. of Dimensions = 1
No. of Blocks in x-direction = 60
No. of Blocks in y-direction = 1
No. of Blocks in z-direction = 1
Calculation Will be Conducted in X Direction
*****
```

```
No. of Continuum = 1
No. of Phases = 1
*****
```

---- Grid Block Length (x-direction)----

```
0.2000E+02 0.2000E+02 0.2000E+02 0.2000E+02 0.2000E+02
0.2000E+02 0.2000E+02 0.2000E+02 0.2000E+02 0.2000E+02
0.2000E+02 0.2000E+02 0.2000E+02 0.2000E+02 0.2000E+02
0.2000E+02 0.2000E+02 0.2000E+02 0.2000E+02 0.2000E+02
0.2000E+02 0.2000E+02 0.2000E+02 0.2000E+02 0.2000E+02
0.2000E+02 0.2000E+02 0.2000E+02 0.2000E+02 0.2000E+02
0.2000E+02 0.2000E+02 0.2000E+02 0.2000E+02 0.2000E+02
0.2000E+02 0.2000E+02 0.2000E+02 0.2000E+02 0.2000E+02
0.2000E+02 0.2000E+02 0.2000E+02 0.2000E+02 0.2000E+02
0.2000E+02 0.2000E+02 0.2000E+02 0.2000E+02 0.2000E+02
```

---- Grid Block Width (y-direction)----

```
0.2000E+02 0.2000E+02 0.2000E+02 0.2000E+02 0.2000E+02
0.2000E+02 0.2000E+02 0.2000E+02 0.2000E+02 0.2000E+02
0.2000E+02 0.2000E+02 0.2000E+02 0.2000E+02 0.2000E+02
```

 WASTE INFORMATION

No. OF Radioactive Nuclides = 1
 No. OF Radioactive Sites = 1

SITE NAME	No. of Component
TEST4_SITE	1



Component	Daughter	Parent	Group
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For The Site TEST4_SITE

COMP1	DAUGHT1	NONE	ELM1
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COMPONENT	NO OF SIM. COMP.	LOCATION
-----------	------------------	----------

COMP1	1	1
-------	---	---

COMPONENT	STATUS	DECAY CONSTANT
-----------	--------	----------------

COMP1	RADIOACTIVE	0.9000E-13
-------	-------------	------------

-Initial Inventory of radionuclide (Kg/m3)-

COMP1	0.0000E+00
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 - Waste Matrix (1 = Waste, 0 = No Waste) -

```

1 0 0 0 0
0 0 0 0 0
0 0 0 0 0
0 0 0 0 0
0 0 0 0 0
0 0 0 0 0
0 0 0 0 0
0 0 0 0 0
0 0 0 0 0
0 0 0 0 0
0 0 0 0 0
0 0 0 0 0
0 0 0 0 0
    
```

 -Solubility Limit of Radionuclide (Kg/m3)-

Number of Elements = 1

Elmnt Name, Temp. Dep., Sol. Limit or Parameters

ELM1	F	0.2380E+10
------	---	------------

COMPONENT	NO OF SIM. ELEM.	LOCATION
-----------	------------------	----------

0.2000E+00 0.2000E+00 0.2000E+00 0.2000E+00 0.2000E+00

---- Matrix Saturation Initialization----

0.1000E+01 0.1000E+01 0.1000E+01 0.1000E+01 0.1000E+01
0.1000E+01 0.1000E+01 0.1000E+01 0.1000E+01 0.1000E+01
0.1000E+01 0.1000E+01 0.1000E+01 0.1000E+01 0.1000E+01
0.1000E+01 0.1000E+01 0.1000E+01 0.1000E+01 0.1000E+01
0.1000E+01 0.1000E+01 0.1000E+01 0.1000E+01 0.1000E+01
0.1000E+01 0.1000E+01 0.1000E+01 0.1000E+01 0.1000E+01
0.1000E+01 0.1000E+01 0.1000E+01 0.1000E+01 0.1000E+01
0.1000E+01 0.1000E+01 0.1000E+01 0.1000E+01 0.1000E+01
0.1000E+01 0.1000E+01 0.1000E+01 0.1000E+01 0.1000E+01
0.1000E+01 0.1000E+01 0.1000E+01 0.1000E+01 0.1000E+01
0.1000E+01 0.1000E+01 0.1000E+01 0.1000E+01 0.1000E+01
0.1000E+01 0.1000E+01 0.1000E+01 0.1000E+01 0.1000E+01
0.1000E+01 0.1000E+01 0.1000E+01 0.1000E+01 0.1000E+01
0.1000E+01 0.1000E+01 0.1000E+01 0.1000E+01 0.1000E+01
0.1000E+01 0.1000E+01 0.1000E+01 0.1000E+01 0.1000E+01

---- Matrix Initial Brine Volume----

0.1600E+04 0.1600E+04 0.1600E+04 0.1600E+04 0.1600E+04
0.1600E+04 0.1600E+04 0.1600E+04 0.1600E+04 0.1600E+04
0.1600E+04 0.1600E+04 0.1600E+04 0.1600E+04 0.1600E+04
0.1600E+04 0.1600E+04 0.1600E+04 0.1600E+04 0.1600E+04
0.1600E+04 0.1600E+04 0.1600E+04 0.1600E+04 0.1600E+04
0.1600E+04 0.1600E+04 0.1600E+04 0.1600E+04 0.1600E+04
0.1600E+04 0.1600E+04 0.1600E+04 0.1600E+04 0.1600E+04
0.1600E+04 0.1600E+04 0.1600E+04 0.1600E+04 0.1600E+04
0.1600E+04 0.1600E+04 0.1600E+04 0.1600E+04 0.1600E+04
0.1600E+04 0.1600E+04 0.1600E+04 0.1600E+04 0.1600E+04
0.1600E+04 0.1600E+04 0.1600E+04 0.1600E+04 0.1600E+04
0.1600E+04 0.1600E+04 0.1600E+04 0.1600E+04 0.1600E+04
0.1600E+04 0.1600E+04 0.1600E+04 0.1600E+04 0.1600E+04
0.1600E+04 0.1600E+04 0.1600E+04 0.1600E+04 0.1600E+04
0.1600E+04 0.1600E+04 0.1600E+04 0.1600E+04 0.1600E+04



COMP1

MVCPG OF THE D-N IN THE BRINE

0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00

IFLAGTIME = 1
TIME STEP # = 1
TIME (Sec.) = 0.8640E+06

MATRIX FLUXES CROSSING J-1 AND I-1 BOUNDARIES
OF COMPONENT COMP1

0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00

0.00000E+00 0.55395E-03 0.12755E-03 0.29369E-04 0.67624E-05
0.15571E-05 0.35853E-06 0.82553E-07 0.19008E-07 0.43767E-08

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

BRINE VOLUME IN EACH BLOCK

0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04
0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04
0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04
0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04
0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04
0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04
0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04
0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04
0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04
0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04
0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04
0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04

COMP1

MVCPG OF THE D-N IN THE BRINE

0.10000E+01	0.23026E+00	0.53018E-01	0.12208E-01	0.28109E-02
0.64722E-03	0.14903E-03	0.34314E-04	0.79010E-05	0.18192E-05
0.41889E-06	0.96452E-07	0.22209E-07	0.51137E-08	0.11775E-08
0.27111E-09	0.62426E-10	0.14374E-10	0.33097E-11	0.76207E-12
0.17547E-12	0.40403E-13	0.93030E-14	0.21421E-14	0.49322E-15
0.11357E-15	0.26150E-16	0.60211E-17	0.13864E-17	0.31922E-18
0.73503E-19	0.16925E-19	0.38970E-20	0.89730E-21	0.20661E-21
0.47573E-22	0.10954E-22	0.25222E-23	0.58075E-24	0.13372E-24
0.30790E-25	0.70895E-26	0.16324E-26	0.37587E-27	0.86546E-28
0.19928E-28	0.45885E-29	0.10565E-29	0.24327E-30	0.56014E-31
0.12898E-31	0.29697E-32	0.68380E-33	0.15745E-33	0.36254E-34
0.83476E-35	0.19221E-35	0.44261E-36	0.10240E-36	0.29944E-37

MATRIX MATERIAL BALANCE FOR NUCLIDE COMP1

MATRIX MAXBLOCMBE%	=	0.2118E-21
MATRIX MBE%	=	0.1010E-04
MATRIX CMBE%	=	0.1010E-04
MATRIX CRES	=	-0.2517E-21
MATRIX CSRC	=	0.4786E+03

IFLAGTIME = 1
TIME STEP # = 2
TIME (Sec.) = 0.1728E+07

MATRIX FLUXES CROSSING J-1 AND I-1 BOUNDARIES
OF COMPONENT COMP1

0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

0.00000E+00 0.52063E-03 0.21215E-03 0.70097E-04 0.21032E-04
0.59693E-05 0.16338E-05 0.43592E-06 0.11413E-06 0.29444E-07
0.75088E-08 0.18968E-08 0.47541E-09 0.11837E-09 0.29304E-10
0.72192E-11 0.17709E-11 0.43278E-12 0.10541E-12 0.25598E-13
0.61994E-14 0.14978E-14 0.36106E-15 0.86865E-16 0.20859E-16
0.50007E-17 0.11969E-17 0.28608E-18 0.68285E-19 0.16279E-19

```
0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
*****
0.00000E+00 0.40115E-03 0.40019E-03 0.39721E-03 0.39085E-03
0.37959E-03 0.36221E-03 0.33812E-03 0.30764E-03 0.27204E-03
0.23335E-03 0.19393E-03 0.15607E-03 0.12163E-03 0.91824E-04
0.67202E-04 0.47718E-04 0.32906E-04 0.22061E-04 0.14394E-04
0.91505E-05 0.56733E-05 0.34342E-05 0.20316E-05 0.11757E-05
0.66620E-06 0.36994E-06 0.20149E-06 0.10772E-06 0.56575E-07
0.29208E-07 0.14834E-07 0.74152E-08 0.36509E-08 0.17714E-08
0.84749E-09 0.39999E-09 0.18633E-09 0.85714E-10 0.38951E-10
0.17494E-10 0.77683E-11 0.34119E-11 0.14827E-11 0.63773E-12
0.27159E-12 0.11455E-12 0.47865E-13 0.19821E-13 0.81357E-14
0.33111E-14 0.13365E-14 0.53512E-15 0.21259E-15 0.83821E-16
0.32806E-16 0.12747E-16 0.49183E-17 0.18809E-17 0.68370E-18
*****
```

MATRIX FLOW RATE AT INTERFACE I

```
0.4000E-03 0.4000E-03 0.4000E-03 0.4000E-03 0.4000E-03
0.4000E-03 0.4000E-03 0.4000E-03 0.4000E-03 0.4000E-03
0.4000E-03 0.4000E-03 0.4000E-03 0.4000E-03 0.4000E-03
0.4000E-03 0.4000E-03 0.4000E-03 0.4000E-03 0.4000E-03
0.4000E-03 0.4000E-03 0.4000E-03 0.4000E-03 0.4000E-03
0.4000E-03 0.4000E-03 0.4000E-03 0.4000E-03 0.4000E-03
0.4000E-03 0.4000E-03 0.4000E-03 0.4000E-03 0.4000E-03
0.4000E-03 0.4000E-03 0.4000E-03 0.4000E-03 0.4000E-03
0.4000E-03 0.4000E-03 0.4000E-03 0.4000E-03 0.4000E-03
0.4000E-03 0.4000E-03 0.4000E-03 0.4000E-03 0.4000E-03
*****
```



MATRIX FLOW RATE AT INTERFACE J

```
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
*****
```

MATRIX TIME DEPENDENT VARIABLES

MATRIX PRODUCTION RATE FROM EACH GRID BLOCK

```
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
*****
```

MATRIX INJECTION RATE INTO EACH GRID BLOCK

```
0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
```

0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

BRINE VOLUME IN EACH BLOCK

0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04
0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04
0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04
0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04
0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04
0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04
0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04
0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04
0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04
0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04
0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04	0.1600E+04

COMP1

MVCPG OF THE D-N IN THE BRINE

0.10000E+01	0.99423E+00	0.98175E+00	0.95918E+00	0.92329E+00
0.87191E+00	0.80466E+00	0.72337E+00	0.63193E+00	0.53556E+00
0.43992E+00	0.35011E+00	0.26998E+00	0.20182E+00	0.14634E+00
0.10302E+00	0.70477E-01	0.46898E-01	0.30389E-01	0.19194E-01
0.11829E-01	0.71204E-02	0.41904E-02	0.24132E-02	0.13612E-02
0.75268E-03	0.40831E-03	0.21748E-03	0.11381E-03	0.58563E-04
0.29648E-04	0.14777E-04	0.72551E-05	0.35109E-05	0.16754E-05
0.78887E-06	0.36665E-06	0.16830E-06	0.76323E-07	0.34211E-07
0.15163E-07	0.66478E-08	0.28839E-08	0.12384E-08	0.52656E-09
0.22176E-09	0.92530E-10	0.38263E-10	0.15685E-10	0.63752E-11
0.25701E-11	0.10278E-11	0.40787E-12	0.16064E-12	0.62802E-13
0.24378E-13	0.93980E-14	0.36023E-14	0.14022E-14	0.78821E-15

MATRIX MATERIAL BALANCE FOR NUCLIDE COMP1

MATRIX MAXBLOCMBE%	=	0.4337E-18
MATRIX MBE%	=	0.7946E-05
MATRIX CMBE%	=	0.3300E-03
MATRIX CRES	=	-0.2574E-16
MATRIX CSRC	=	0.1461E+05

