

CRDA GAP MVP TRIP 10 MIN.o0

RADTRAD Version 3.03 (Spring 2001) run on 8/19/2005 at 10:58:26
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File information
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Plant file = H:\MSL RAD MON\CALC\RADTRAD\CRDA GAP MVP TRIP 10 MIN.psf
Inventory file = h:\msl rad mon\calc\radtrad\crd-gap rg1-183.nif
Release file = h:\msl rad mon\calc\radtrad\crd_gap 5 sec.rft
Dose Conversion file = h:\msl rad mon\calc\radtrad\fgr11&12.inp

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Radtrad 3.03 4/15/2001
DAEC CRDA
Nuclide Inventory File:
h:\msl rad mon\calc\radtrad\crd-gap rg1-183.nif
Plant Power Level:
1.9500E+03
Compartments:
4
Compartment 1:
DAEC Condenser - CRDA
3
5.5000E+04
0
0
0
0
0
Compartment 2:
Environment
2
0.0000E+00
0
0
0
0
0
Compartment 3:
Control Room
1
1.5500E+05
0
0
0
0
0
Compartment 4:

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MVP Holdup

3
3.1500E+03
0
0
0
0
0

Pathways:

5
Pathway 1:
DAEC Condenser to CRDA Environment - 24 Hour Condenser Release

1
2
4

Pathway 2:
Normal Environment to Control Room

2
3
2

Pathway 3:
Normal Return Control Room to Environment

3
2
2

Pathway 4:
DAEC Condenser - CRDA to MVP Holdup

1
4
2

Pathway 5:
MVP Holdup to Environment

4
2
2

End of Plant Model File
Scenario Description Name:

Plant Model Filename:

Source Term:

1
1 1.0000E+00
h:\msl rad mon\calc\radtrad\fgr11&12.inp
h:\msl rad mon\calc\radtrad\crd_gap 5 sec.rft
0.0000E+00
1
0.0000E+00 9.7000E-01 3.0000E-02 1.0000E+00

Overlying Pool:

0
0.0000E+00
0
0
0
0

Compartments:

4
Compartment 1:

1
1
0
0
0

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0
0
0
0
Compartment 2:
1
1
0
0
0
0
0
0
0
0

Compartment 3:
0
1
0
0
0
0
0
0
0
0

Compartment 4:
1
1
0
0
0
0
0
0
0
0

Pathways:

5
Pathway 1:

0
0
0
0
0
0
0
0
0
0
1
4
0.0000E+00 1.0000E-20
1.6670E-01 1.0000E+00
2.4000E+01 1.0000E-20
7.2000E+02 0.0000E+00

Pathway 2:

0
0
0
0
0
1
2
0.0000E+00 4.1500E+03 0.0000E+00 0.0000E+00 0.0000E+00

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7.2000E+02 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00

0
0
0
0
0
0

Pathway 3:

0
0
0
0
0
1
2

0.0000E+00 4.1500E+03 0.0000E+00 0.0000E+00 0.0000E+00
7.2000E+02 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00

0
0
0
0
0
0

Pathway 4:

0
0
0
0
0
1
4

0.0000E+00 1.8000E+03 0.0000E+00 0.0000E+00 0.0000E+00
1.6670E-01 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2.4000E+01 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
7.2000E+02 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00

0
0
0
0
0
0

Pathway 5:

0
0
0
0
0
1
4

0.0000E+00 1.8000E+03 0.0000E+00 0.0000E+00 0.0000E+00
1.6670E-01 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2.4000E+01 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
7.2000E+02 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00

0
0
0
0
0
0

Dose Locations:

3

Location 1:

CRDA @ EAB - Condenser Release

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2
 1
 7
 0.0000E+00 7.0300E-05
 1.6670E-01 5.5700E-04
 2.0000E+00 3.4200E-04
 8.0000E+00 2.6900E-04
 2.4000E+01 1.5900E-04
 9.6000E+01 7.4300E-05
 7.2000E+02 0.0000E+00

1
 4
 0.0000E+00 3.4700E-04
 8.0000E+00 1.7500E-04
 2.4000E+01 2.3200E-04
 7.2000E+02 0.0000E+00
 0

Location 2:
 CRDA @ LPZ - Condenser Release

2
 1
 7
 0.0000E+00 3.1500E-05
 1.6670E-01 1.3400E-04
 2.0000E+00 6.4300E-05
 8.0000E+00 4.4600E-05
 2.4000E+01 2.0100E-05
 9.6000E+01 6.4200E-06
 7.2000E+02 0.0000E+00

1
 4
 0.0000E+00 3.4700E-04
 8.0000E+00 1.7500E-04
 2.4000E+01 2.3200E-04
 7.2000E+02 0.0000E+00
 0

Location 3:
 Control Room

3
 0
 1
 2
 0.0000E+00 3.4700E-04
 7.2000E+02 0.0000E+00
 1
 4
 0.0000E+00 1.0000E+00
 2.4000E+01 6.0000E-01
 9.6000E+01 4.0000E-01
 7.2000E+02 0.0000E+00

Effective Volume Location:

1
 7
 0.0000E+00 1.6800E-05
 1.6670E-01 1.4800E-03
 2.0000E+00 1.2700E-03
 8.0000E+00 5.5600E-04
 2.4000E+01 2.0400E-04
 9.6000E+01 1.0600E-04
 7.2000E+02 0.0000E+00

Simulation Parameters:

10
 0.0000E+00 1.0000E-01

CRDA GAP MVP TRIP 10 MIN.o0

1.0000E-01 1.0000E-01
2.0000E-01 1.0000E-01
3.0000E-01 1.0000E-02
4.0000E-01 1.0000E-02
1.0000E+00 1.0000E+00
8.0000E+00 2.0000E+00
2.4000E+01 8.0000E+00
4.8000E+01 2.4000E+01
7.2000E+02 0.0000E+00

Output Filename:

H:\MSL RAD MON\CALC\RADTRAD\CRDA GAP MVP TRIP 10 MIN.o0

1
1
1
1
1

End of Scenario File

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RADTRAD Version 3.03 (Spring 2001) run on 8/19/2005 at 10:58:26

Plant Description
#####

Number of Nuclides = 60

Inventory Power = 1.0000E+00 MWth
Plant Power Level = 1.9500E+03 MWth

Number of compartments = 4

Compartment information

Compartment number 1 (Source term fraction = 1.0000E+00
)

Name: DAEC Condenser - CRDA
Compartment volume = 5.5000E+04 (Cubic feet)
Compartment type is Normal

Pathways into and out of compartment 1
Exit Pathway Number 1: DAEC Condenser to CRDA Environment - 24 Hour Conde
Exit Pathway Number 4: DAEC Condenser - CRDA to MVP Holdup

Compartment number 2

Name: Environment
Compartment type is Environment

Pathways into and out of compartment 2
Inlet Pathway Number 1: DAEC Condenser to CRDA Environment - 24 Hour Conde
Inlet Pathway Number 3: Normal Return Control Room to Environment
Inlet Pathway Number 5: MVP Holdup to Environment
Exit Pathway Number 2: Normal Environment to Control Room

Compartment number 3

Name: Control Room
Compartment volume = 1.5500E+05 (Cubic feet)

Compartment type is Control Room
Pathways into and out of compartment 3
Inlet Pathway Number 2: Normal Environment to Control Room
Exit Pathway Number 3: Normal Return Control Room to Environment

Compartment number 4

CRDA GAP MVP TRIP 10 MIN.o0

Name: MVP Holdup
 Compartment volume = 3.1500E+03 (Cubic feet)
 Compartment type is Normal
 Pathways into and out of compartment 4
 Inlet Pathway Number 4: DAEC Condenser - CRDA to MVP Holdup
 Exit Pathway Number 5: MVP Holdup to Environment

Total number of pathways = 5

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 Scenario Description
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Radioactive Decay is enabled
 Calculation of Daughters is enabled

Release Fractions and Timings

	GAP	EARLY IN-VESSEL	LATE RELEASE	RELEASE MASS
	0.001388 hr	0.0000 hrs	0.0000 hrs	(gm)
NOBLES	1.0000E+00	0.0000E+00	0.0000E+00	1.019E+02
IODINE	1.0000E+00	0.0000E+00	0.0000E+00	3.094E-02
CESIUM	1.0000E+00	0.0000E+00	0.0000E+00	8.729E-02
TELLURIUM	0.0000E+00	0.0000E+00	0.0000E+00	0.000E+00
STRONTIUM	0.0000E+00	0.0000E+00	0.0000E+00	0.000E+00
BARIUM	0.0000E+00	0.0000E+00	0.0000E+00	0.000E+00
RUTHENIUM	0.0000E+00	0.0000E+00	0.0000E+00	0.000E+00
CERIUM	0.0000E+00	0.0000E+00	0.0000E+00	0.000E+00
LANTHANUM	0.0000E+00	0.0000E+00	0.0000E+00	0.000E+00

Inventory Power = 1950. Mwt

Nuclide Name	Group	Specific Inventory (Ci/Mwt)	half life (s)	Whole Body DCF (Sv-m3/Bq-s)	Inhaled Thyroid (Sv/Bq)	Inhaled Effective (Sv/Bq)
Kr-85	1	2.454E+00	3.383E+08	1.190E-16	0.000E+00	0.000E+00
Kr-85m	1	3.654E+01	1.613E+08	7.480E-15	0.000E+00	0.000E+00
Kr-87	1	6.945E+01	4.578E+03	4.120E-14	0.000E+00	0.000E+00
Kr-88	1	9.769E+01	1.022E+04	1.020E-13	0.000E+00	0.000E+00
Rb-86	3	6.461E-05	1.612E+06	4.810E-15	1.330E-09	1.790E-09
I-131	2	1.499E+00	6.947E+05	1.820E-14	2.920E-07	8.890E-09
I-132	2	2.153E+00	8.280E+03	1.120E-13	1.740E-09	1.030E-10
I-133	2	2.996E+00	7.488E+04	2.940E-14	4.860E-08	1.580E-09
I-134	2	3.282E+00	3.156E+03	1.300E-13	2.880E-10	3.550E-11
I-135	2	2.808E+00	2.380E+04	8.294E-14	8.460E-09	3.320E-10
Xe-133	1	2.878E+02	4.532E+05	1.560E-15	0.000E+00	0.000E+00
Xe-135	1	1.040E+02	3.272E+04	1.190E-14	0.000E+00	0.000E+00
Cs-134	3	6.967E-03	6.507E+07	7.570E-14	1.110E-08	1.250E-08
Cs-136	3	1.939E-03	1.132E+06	1.060E-13	1.730E-09	1.980E-09
Cs-137	3	3.423E-03	9.467E+08	2.725E-14	7.930E-09	8.630E-09

Nuclide	Daughter	Fraction	Daughter	Fraction	Daughter	Fraction
I-131	Xe-131m	0.01	none	0.00	none	0.00
I-133	Xe-133m	0.03	Xe-133	0.97	none	0.00
I-135	Xe-135m	0.15	Xe-135	0.85	none	0.00

Iodine fractions
 Aerosol = 0.0000E+00
 Elemental = 9.7000E-01

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 Organic = 3.0000E-02

COMPARTMENT DATA

Compartment number 1: DAEC Condenser - CRDA
 Compartment number 2: Environment
 Compartment number 3: Control Room
 Compartment number 4: MVP Holdup

PATHWAY DATA

Pathway number 1: DAEC Condenser to CRDA Environment - 24 Hour Conde

Convection Data

Time (hr)	Flow Rate (% / day)
0.0000E+00	1.0000E-20
1.6670E-01	1.0000E+00
2.4000E+01	1.0000E-20
7.2000E+02	0.0000E+00

Pathway number 2: Normal Environment to Control Room

Pathway Filter: Removal Data

Time (hr)	Flow Rate (cfm)	Filter Efficiencies (%)		
		Aerosol	Elemental	Organic
0.0000E+00	4.1500E+03	0.0000E+00	0.0000E+00	0.0000E+00
7.2000E+02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

Pathway number 3: Normal Return Control Room to Environment

Pathway Filter: Removal Data

Time (hr)	Flow Rate (cfm)	Filter Efficiencies (%)		
		Aerosol	Elemental	Organic
0.0000E+00	4.1500E+03	0.0000E+00	0.0000E+00	0.0000E+00
7.2000E+02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

Pathway number 4: DAEC Condenser - CRDA to MVP Holdup

Pathway Filter: Removal Data

Time (hr)	Flow Rate (cfm)	Filter Efficiencies (%)		
		Aerosol	Elemental	Organic
0.0000E+00	1.8000E+03	0.0000E+00	0.0000E+00	0.0000E+00
1.6670E-01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
2.4000E+01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
7.2000E+02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

Pathway number 5: MVP Holdup to Environment

Pathway Filter: Removal Data

Time (hr)	Flow Rate (cfm)	Filter Efficiencies (%)		
		Aerosol	Elemental	Organic
0.0000E+00	1.8000E+03	0.0000E+00	0.0000E+00	0.0000E+00
1.6670E-01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
2.4000E+01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
7.2000E+02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

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LOCATION DATA

Location CRDA @ EAB - Condenser Release is in compartment 2

Location X/Q Data

Time (hr)	X/Q (s * m ⁻³)
0.0000E+00	7.0300E-05
1.6670E-01	5.5700E-04
2.0000E+00	3.4200E-04
8.0000E+00	2.6900E-04
2.4000E+01	1.5900E-04
9.6000E+01	7.4300E-05
7.2000E+02	0.0000E+00

Location Breathing Rate Data

Time (hr)	Breathing Rate (m ³ * sec ⁻¹)
0.0000E+00	3.4700E-04
8.0000E+00	1.7500E-04
2.4000E+01	2.3200E-04
7.2000E+02	0.0000E+00

Location CRDA @ LPZ - Condenser Release is in compartment 2

Location X/Q Data

Time (hr)	X/Q (s * m ⁻³)
0.0000E+00	3.1500E-05
1.6670E-01	1.3400E-04
2.0000E+00	6.4300E-05
8.0000E+00	4.4600E-05
2.4000E+01	2.0100E-05
9.6000E+01	6.4200E-06
7.2000E+02	0.0000E+00

Location Breathing Rate Data

Time (hr)	Breathing Rate (m ³ * sec ⁻¹)
0.0000E+00	3.4700E-04
8.0000E+00	1.7500E-04
2.4000E+01	2.3200E-04
7.2000E+02	0.0000E+00

Location Control Room is in compartment 3

Location X/Q Data

Time (hr)	X/Q (s * m ⁻³)
0.0000E+00	1.6800E-05
1.6670E-01	1.4800E-03
2.0000E+00	1.2700E-03
8.0000E+00	5.5600E-04
2.4000E+01	2.0400E-04
9.6000E+01	1.0600E-04
7.2000E+02	0.0000E+00

Location Breathing Rate Data

Time (hr)	Breathing Rate (m ³ * sec ⁻¹)
0.0000E+00	3.4700E-04
7.2000E+02	0.0000E+00

Location Occupancy Factor Data

Time (hr)	Occupancy Factor
0.0000E+00	1.0000E+00
2.4000E+01	6.0000E-01
9.6000E+01	4.0000E-01
7.2000E+02	0.0000E+00

USER SPECIFIED TIME STEP DATA - SUPPLEMENTAL TIME STEPS

Time Time step

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0.0000E+00	1.0000E-01
1.0000E-01	1.0000E-01
2.0000E-01	1.0000E-01
3.0000E-01	1.0000E-02
4.0000E-01	1.0000E-02
1.0000E+00	1.0000E+00
8.0000E+00	2.0000E+00
2.4000E+01	8.0000E+00
4.8000E+01	2.4000E+01
7.2000E+02	0.0000E+00

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 Dose, Detailed model and Detailed Inventory Output
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Detailed model information at time (H) = 0.0014

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.0014	whole Body	Thyroid	TEDE
Delta dose (rem)	1.7107E-04	2.2990E-03	2.4416E-04
Accumulated dose (rem)	1.7107E-04	2.2990E-03	2.4416E-04

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.0014	whole Body	Thyroid	TEDE
Delta dose (rem)	7.6655E-05	1.0301E-03	1.0940E-04
Accumulated dose (rem)	7.6655E-05	1.0301E-03	1.0940E-04

Control Room Doses:

Time (h) = 0.0014	whole Body	Thyroid	TEDE
Delta dose (rem)	1.2345E-09	3.4262E-07	1.2126E-08
Accumulated dose (rem)	1.2345E-09	3.4262E-07	1.2126E-08

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.0014	Ci	kg	Atoms	Decay
Kr-85	4.7788E+03	1.2180E-02	8.6296E+22	6.0107E+14
Kr-85m	7.1156E+04	8.6464E-02	6.1259E+23	8.9499E+15
Kr-87	1.3514E+05	4.7710E-06	3.3025E+19	1.7003E+16
Kr-88	1.9017E+05	1.5166E-05	1.0379E+20	2.3923E+16
Rb-86	1.2582E-01	1.5463E-09	1.0828E+16	1.5825E+10
I-131	2.9191E+03	2.3546E-05	1.0824E+20	3.6716E+14
I-132	4.1909E+03	4.0601E-07	1.8523E+18	5.2721E+14
I-133	5.8340E+03	5.1500E-06	2.3319E+19	7.3380E+14

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I-134	6.3842E+03	2.3932E-07	1.0755E+18	8.0335E+14
I-135	5.4673E+03	1.5568E-06	6.9448E+18	6.8772E+14
Xe-133	5.6044E+05	2.9941E-03	1.3557E+22	7.0492E+16
Xe-135	2.0250E+05	7.9297E-05	3.5373E+20	2.5472E+16
Cs-134	1.3567E+01	1.0486E-05	4.7126E+19	1.7065E+12
Cs-136	3.7759E+00	5.1519E-08	2.2813E+17	4.7493E+11
Cs-137	6.6658E+00	7.6634E-05	3.3686E+20	8.3841E+11

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	0.0014	Atmosphere	Sump	
Noble gases (atoms)	7.1293E+23	0.0000E+00		
Elemental I (atoms)	1.3719E+20	0.0000E+00		
Organic I (atoms)	4.2429E+18	0.0000E+00		
Aerosols (kg)	8.7173E-05	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)			2.6195E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)			3.3346E-06
Total I (Ci)				2.4795E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.0014 Leakage Transport

Noble gases (atoms)	2.0625E-03
Elemental I (atoms)	3.9689E-07
Organic I (atoms)	1.2275E-08
Aerosols (kg)	2.5219E-31

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) =	0.0014	Filtered Transported
Noble gases (atoms)	0.0000E+00	9.7200E+20
Elemental I (atoms)	0.0000E+00	1.8704E+17
Organic I (atoms)	0.0000E+00	5.7849E+15
Aerosols (kg)	0.0000E+00	1.1885E-07

Environment Integral Nuclide Release:

Time (h) =	0.0014	Ci	kg	Atoms	Bq
Kr-85		1.0216E-01	2.6038E-07	1.8448E+18	3.7798E+09
Kr-85m		1.5211E+00	1.8484E-06	1.3095E+19	5.6281E+10
Kr-87		2.8892E+00	1.0200E-10	7.0604E+14	1.0690E+11
Kr-88		4.0655E+00	3.2422E-10	2.2188E+15	1.5042E+11
Rb-86		2.6896E-06	3.3055E-14	2.3147E+11	9.9516E+04
I-131		6.2401E-02	5.0334E-10	2.3139E+15	2.3088E+09
I-132		8.9594E-02	8.6797E-12	3.9599E+13	3.3150E+09
I-133		1.2471E-01	1.1009E-10	4.9849E+14	4.6144E+09
I-134		1.3649E-01	5.1166E-12	2.2995E+13	5.0503E+09
I-135		1.1688E-01	3.3281E-11	1.4846E+14	4.3245E+09
Xe-133		1.1981E+01	6.4005E-08	2.8981E+17	4.4328E+11
Xe-135		4.3290E+00	1.6952E-09	7.5619E+15	1.6017E+11
Cs-134		2.9003E-04	2.2416E-10	1.0074E+15	1.0731E+07
Cs-136		8.0718E-05	1.1013E-12	4.8767E+12	2.9866E+06
Cs-137		1.4249E-04	1.6382E-09	7.2011E+15	5.2723E+06

Environment Transport Group Inventory:

Time (h) =	0.0014	Total Release	Release Rate/s	
Noble gases (atoms)		1.5240E+19	3.0500E+18	
Elemental I (atoms)		2.9327E+15	5.8692E+14	
Organic I (atoms)		9.0702E+13	1.8152E+13	
Aerosols (kg)		1.8635E-09	3.7294E-10	
Dose Effective (Ci)	I-131 (Thyroid)			8.7213E-02

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Dose Effective (Ci) I-131 (ICRP2 Thyroid) 1.1102E-01
 Total I (Ci) 5.3008E-01

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 0.0014 Leakage Transport

Noble gases (atoms) 2.0625E-03
 Elemental I (atoms) 3.9689E-07
 Organic I (atoms) 1.2275E-08
 Aerosols (kg) 2.5219E-31

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 0.0014	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.0147E+14
Elemental I (atoms)	0.0000E+00	9.6499E+10
Organic I (atoms)	0.0000E+00	2.9845E+09
Aerosols (kg)	0.0000E+00	6.1317E-14

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 0.0014	Pathway	
	Filtered	Transported
Noble gases (atoms)	2.8501E+11	0.0000E+00
Elemental I (atoms)	5.4845E+07	0.0000E+00
Organic I (atoms)	1.6962E+06	0.0000E+00
Aerosols (kg)	3.4850E-17	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.0014	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.5237E+19
Elemental I (atoms)	0.0000E+00	2.9321E+15
Organic I (atoms)	0.0000E+00	9.0683E+13
Aerosols (kg)	0.0000E+00	1.8631E-09

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.0014	Ci	kg	Atoms	Decay
Kr-85	6.4132E+00	1.6346E-05	1.1581E+20	6.1845E+11
Kr-85m	9.5492E+01	1.1604E-04	8.2210E+20	9.2087E+12
Kr-87	1.8136E+02	6.4027E-09	4.4319E+16	1.7494E+13
Kr-88	2.5521E+02	2.0353E-08	1.3928E+17	2.4614E+13
Rb-86	1.6885E-04	2.0751E-12	1.4531E+13	1.6283E+07
I-131	3.9174E+00	3.1598E-08	1.4526E+17	3.7777E+11
I-132	5.6242E+00	5.4487E-10	2.4858E+15	5.4244E+11
I-133	7.8292E+00	6.9113E-09	3.1294E+16	7.5502E+11
I-134	8.5676E+00	3.2116E-10	1.4434E+15	8.2652E+11
I-135	7.3372E+00	2.0893E-09	9.3199E+15	7.0760E+11
Xe-133	7.5212E+02	4.0181E-06	1.8194E+19	7.2530E+13
Xe-135	2.7176E+02	1.0642E-07	4.7471E+17	2.6208E+13
Cs-134	1.8207E-02	1.4072E-08	6.3243E+16	1.7558E+09
Cs-136	5.0673E-03	6.9139E-11	3.0615E+14	4.8866E+08
Cs-137	8.9455E-03	1.0284E-07	4.5207E+17	8.6265E+08

MVP Holdup Transport Group Inventory:

Time (h) = 0.0014	Atmosphere	Sump
Noble gases (atoms)	9.5676E+20	0.0000E+00
Elemental I (atoms)	1.8411E+17	0.0000E+00
Organic I (atoms)	5.6941E+15	0.0000E+00
Aerosols (kg)	1.1699E-07	0.0000E+00

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Dose Effective (Ci/cc) I-131 (Thyroid) 6.1380E-08
 Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid) 7.8135E-08
 Total I (Ci) 3.3276E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.0014	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	9.7200E+20
Elemental I (atoms)	0.0000E+00	1.8704E+17
Organic I (atoms)	0.0000E+00	5.7849E+15
Aerosols (kg)	0.0000E+00	1.1885E-07

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.0014	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.5237E+19
Elemental I (atoms)	0.0000E+00	2.9321E+15
Organic I (atoms)	0.0000E+00	9.0683E+13
Aerosols (kg)	0.0000E+00	1.8631E-09

Detailed model information at time (H) = 0.1000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.1000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.0350E+00	1.3910E+01	1.4772E+00
Accumulated dose (rem)	1.0351E+00	1.3913E+01	1.4774E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.1000	Whole Body	Thyroid	TEDE
Delta dose (rem)	4.6375E-01	6.2330E+00	6.6189E-01
Accumulated dose (rem)	4.6382E-01	6.2340E+00	6.6200E-01

Control Room Doses:

Time (h) = 0.1000	Whole Body	Thyroid	TEDE
Delta dose (rem)	8.8893E-04	2.4676E-01	8.7331E-03
Accumulated dose (rem)	8.8893E-04	2.4676E-01	8.7331E-03

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.1000	Ci	kg	Atoms	Decay
Kr-85	3.9375E+03	1.0036E-02	7.1104E+22	5.2321E+16
Kr-85m	5.8629E+04	7.1243E-02	5.0474E+23	7.7905E+17
Kr-87	1.0552E+05	3.7254E-06	2.5787E+19	1.4410E+18
Kr-88	1.5297E+05	1.2199E-05	8.3482E+19	2.0575E+18
Rb-86	1.0365E-01	1.2739E-09	8.9203E+15	1.3774E+12
I-131	2.4043E+03	1.9394E-05	8.9154E+19	3.1954E+16
I-132	3.3520E+03	3.2474E-07	1.4815E+18	4.5217E+16
I-133	4.7912E+03	4.2295E-06	1.9151E+19	6.3770E+16
I-134	4.8657E+03	1.8240E-07	8.1971E+17	6.7273E+16
I-135	4.4585E+03	1.2696E-06	5.6633E+18	5.9555E+16
Xe-133	4.6153E+05	2.4657E-03	1.1164E+22	6.1344E+18
Xe-135	1.6563E+05	6.4859E-05	2.8933E+20	2.2089E+18
Cs-134	1.1179E+01	8.6400E-06	3.8829E+19	1.4854E+14
Cs-136	3.1105E+00	4.2440E-08	1.8793E+17	4.1336E+13
Cs-137	5.4923E+00	6.3143E-05	2.7756E+20	7.2980E+13

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 0.1000 Atmosphere Sump

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Noble gases (atoms) 5.8741E+23 0.0000E+00
 Elemental I (atoms) 1.1278E+20 0.0000E+00
 Organic I (atoms) 3.4881E+18 0.0000E+00
 Aerosols (kg) 7.1827E-05 0.0000E+00
 Dose Effective (Ci/cc) I-131 (Thyroid) 2.1546E-06
 Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid) 2.7351E-06
 Total I (Ci) 1.9872E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 0.1000 Leakage Transport

Noble gases (atoms) 2.6835E-01
 Elemental I (atoms) 5.1638E-05
 Organic I (atoms) 1.5971E-06
 Aerosols (kg) 3.2812E-29

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 0.1000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.2647E+23
Elemental I (atoms)	0.0000E+00	2.4336E+19
Organic I (atoms)	0.0000E+00	7.5265E+17
Aerosols (kg)	0.0000E+00	1.5464E-05

Environment Integral Nuclide Release:

Time (h) = 0.1000	Ci	kg	Atoms	Bq
Kr-85	6.1824E+02	1.5758E-03	1.1164E+22	2.2875E+13
Kr-85m	9.2055E+03	1.1186E-02	7.9251E+22	3.4060E+14
Kr-87	1.6569E+04	5.8493E-07	4.0489E+18	6.1304E+14
Kr-88	2.4018E+04	1.9154E-06	1.3108E+19	8.8866E+14
Rb-86	1.6275E-02	2.0001E-10	1.4006E+15	6.0216E+08
I-131	3.7751E+02	3.0450E-06	1.3998E+19	1.3968E+13
I-132	5.2631E+02	5.0988E-08	2.3262E+17	1.9473E+13
I-133	7.5227E+02	6.6408E-07	3.0069E+18	2.7834E+13
I-134	7.6399E+02	2.8639E-08	1.2871E+17	2.8268E+13
I-135	7.0004E+02	1.9934E-07	8.8921E+17	2.5902E+13
Xe-133	7.2466E+04	3.8714E-04	1.7529E+21	2.6812E+15
Xe-135	2.6006E+04	1.0184E-05	4.5428E+19	9.6223E+14
Cs-134	1.7552E+00	1.3566E-06	6.0967E+18	6.4942E+10
Cs-136	4.8838E-01	6.6636E-09	2.9507E+16	1.8070E+10
Cs-137	8.6236E-01	9.9142E-06	4.3580E+19	3.1907E+10

Environment Transport Group Inventory:

Time (h) = 0.1000	Total Release	Release Rate/s	
Noble gases (atoms)	9.2231E+22	2.5620E+20	
Elemental I (atoms)	1.7708E+19	4.9189E+16	
Organic I (atoms)	5.4767E+17	1.5213E+15	
Aerosols (kg)	1.1278E-05	3.1327E-08	
Dose Effective (Ci) I-131 (Thyroid)			5.2689E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			6.6884E+02
Total I (Ci)			3.1201E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 0.1000 Leakage Transport

Noble gases (atoms) 2.6835E-01
 Elemental I (atoms) 5.1638E-05
 Organic I (atoms) 1.5971E-06
 Aerosols (kg) 3.2812E-29

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Normal Environment to Control Room Transport Group Inventory:

Time (h) = 0.1000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	3.0348E+18
Elemental I (atoms)	0.0000E+00	5.8399E+14
Organic I (atoms)	0.0000E+00	1.8062E+13
Aerosols (kg)	0.0000E+00	3.7108E-10

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 0.1000	Pathway	
	Filtered	Transported
Noble gases (atoms)	1.5299E+17	0.0000E+00
Elemental I (atoms)	2.9440E+13	0.0000E+00
Organic I (atoms)	9.1052E+11	0.0000E+00
Aerosols (kg)	1.8707E-11	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.1000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.1674E+23
Elemental I (atoms)	0.0000E+00	2.2463E+19
Organic I (atoms)	0.0000E+00	6.9474E+17
Aerosols (kg)	0.0000E+00	1.4274E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.1000	Ci	kg	Atoms	Decay
Kr-85	2.2956E+02	5.8510E-04	4.1454E+21	3.0159E+15
Kr-85m	3.4181E+03	4.1534E-03	2.9426E+22	4.4906E+16
Kr-87	6.1520E+03	2.1719E-07	1.5034E+18	8.3035E+16
Kr-88	8.9179E+03	7.1120E-07	4.8670E+18	1.1858E+17
Rb-86	6.0429E-03	7.4267E-11	5.2005E+14	7.9397E+10
I-131	1.4017E+02	1.1306E-06	5.1976E+18	1.8419E+15
I-132	1.9542E+02	1.8932E-08	8.6372E+16	2.6059E+15
I-133	2.7932E+02	2.4658E-07	1.1165E+18	3.6757E+15
I-134	2.8367E+02	1.0634E-08	4.7789E+16	3.8760E+15
I-135	2.5993E+02	7.4015E-08	3.3017E+17	3.4326E+15
Xe-133	2.6907E+04	1.4375E-04	6.5088E+20	3.5359E+17
Xe-135	9.6563E+03	3.7813E-06	1.6868E+19	1.2732E+17
Cs-134	6.5171E-01	5.0371E-07	2.2637E+18	8.5621E+12
Cs-136	1.8134E-01	2.4743E-09	1.0956E+16	2.3827E+12
Cs-137	3.2020E-01	3.6812E-06	1.6182E+19	4.2067E+12

MVP Holdup Transport Group Inventory:

Time (h) = 0.1000	Atmosphere	Sump	
Noble gases (atoms)	3.4246E+22	0.0000E+00	
Elemental I (atoms)	6.5751E+18	0.0000E+00	
Organic I (atoms)	2.0335E+17	0.0000E+00	
Aerosols (kg)	4.1875E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		2.1933E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.7842E-06
Total I (Ci)			1.1585E+03

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.1000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.2647E+23
Elemental I (atoms)	0.0000E+00	2.4336E+19

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Organic I (atoms) 0.0000E+00 7.5265E+17
 Aerosols (kg) 0.0000E+00 1.5464E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 0.1000		
Noble gases (atoms)	0.0000E+00	1.1674E+23
Elemental I (atoms)	0.0000E+00	2.2463E+19
Organic I (atoms)	0.0000E+00	6.9474E+17
Aerosols (kg)	0.0000E+00	1.4274E-05

Detailed model information at time (H) = 0.1667

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.1667	whole Body	Thyroid	TEDE
Delta dose (rem)	8.2059E-01	1.1324E+01	1.1803E+00
Accumulated dose (rem)	1.8557E+00	2.5236E+01	2.6578E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.1667	whole Body	Thyroid	TEDE
Delta dose (rem)	3.6769E-01	5.0739E+00	5.2889E-01
Accumulated dose (rem)	8.3151E-01	1.1308E+01	1.1909E+00

Control Room Doses:

Time (h) = 0.1667	whole Body	Thyroid	TEDE
Delta dose (rem)	1.5916E-03	4.5361E-01	1.6003E-02
Accumulated dose (rem)	2.4805E-03	7.0036E-01	2.4736E-02

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.1667	Ci	kg	Atoms	Decay
Kr-85	3.4541E+03	8.8041E-03	6.2376E+22	8.3009E+16
Kr-85m	5.1432E+04	6.2497E-02	4.4278E+23	1.2360E+18
Kr-87	8.9264E+04	3.1514E-06	2.1814E+19	2.2486E+18
Kr-88	1.3202E+05	1.0529E-05	7.2051E+19	3.2401E+18
Rb-86	9.0919E-02	1.1174E-09	7.8245E+15	2.1852E+12
I-131	2.1087E+03	1.7009E-05	7.8190E+19	5.0690E+16
I-132	2.8820E+03	2.7920E-07	1.2738E+18	7.1081E+16
I-133	4.1937E+03	3.7020E-06	1.6762E+19	1.0107E+17
I-134	4.0491E+03	1.5179E-07	6.8214E+17	1.0421E+17
I-135	3.8839E+03	1.1059E-06	4.9335E+18	9.4182E+16
Xe-133	4.0473E+05	2.1622E-03	9.7903E+21	9.7308E+18
Xe-135	1.4458E+05	5.6615E-05	2.5255E+20	3.4965E+18
Cs-134	9.8064E+00	7.5793E-06	3.4063E+19	2.3566E+14
Cs-136	2.7282E+00	3.7225E-08	1.6483E+17	6.5577E+13
Cs-137	4.8181E+00	5.5392E-05	2.4349E+20	1.1579E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 0.1667	Atmosphere	Sump
Noble gases (atoms)	5.1529E+23	0.0000E+00
Elemental I (atoms)	9.8787E+19	0.0000E+00
Organic I (atoms)	3.0553E+18	0.0000E+00
Aerosols (kg)	6.3009E-05	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.8880E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		2.3922E-06
Total I (Ci)		1.7117E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.1667 Leakage Transport

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Noble gases (atoms) 4.2136E-01
 Elemental I (atoms) 8.1015E-05
 Organic I (atoms) 2.5056E-06
 Aerosols (kg) 5.1522E-29

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 0.1667	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 0.1667	Ci	kg	Atoms	Bq
Kr-85	1.1223E+03	2.8606E-03	2.0267E+22	4.1525E+13
Kr-85m	1.6711E+04	2.0306E-02	1.4387E+23	6.1830E+14
Kr-87	2.9595E+04	1.0448E-06	7.2321E+18	1.0950E+15
Kr-88	4.3284E+04	3.4518E-06	2.3622E+19	1.6015E+15
Rb-86	2.9542E-02	3.6307E-10	2.5424E+15	1.0931E+09
I-131	6.8522E+02	5.5271E-06	2.5408E+19	2.5353E+13
I-132	9.4687E+02	9.1732E-08	4.1850E+17	3.5034E+13
I-133	1.3642E+03	1.2043E-06	5.4530E+18	5.0477E+13
I-134	1.3549E+03	5.0789E-08	2.2825E+17	5.0130E+13
I-135	1.2668E+03	3.6073E-07	1.6091E+18	4.6872E+13
Xe-133	1.3153E+05	7.0267E-04	3.1816E+21	4.8665E+15
Xe-135	4.7104E+04	1.8445E-05	8.2282E+19	1.7429E+15
Cs-134	3.1862E+00	2.4626E-06	1.1067E+19	1.1789E+11
Cs-136	8.8651E-01	1.2096E-08	5.3561E+16	3.2801E+10
Cs-137	1.5654E+00	1.7997E-05	7.9112E+19	5.7922E+10

Environment Transport Group Inventory:

Time (h) = 0.1667	Total Release	Release Rate/s	
Noble gases (atoms)	1.6743E+23	2.7899E+20	
Elemental I (atoms)	3.2124E+19	5.3529E+16	
Organic I (atoms)	9.9352E+17	1.6555E+15	
Aerosols (kg)	2.0473E-05	3.4114E-08	
Dose Effective (Ci) I-131 (Thyroid)			9.5597E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2125E+03
Total I (Ci)			5.6180E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.1667 Leakage Transport

Noble gases (atoms) 4.2136E-01
 Elemental I (atoms) 8.1015E-05
 Organic I (atoms) 2.5056E-06
 Aerosols (kg) 5.1522E-29

Normal Environment to Control Room Transport Group Inventory:

	Pathway	
Time (h) = 0.1667	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.5091E+18
Elemental I (atoms)	0.0000E+00	1.0590E+15
Organic I (atoms)	0.0000E+00	3.2754E+13
Aerosols (kg)	0.0000E+00	6.7363E-10

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Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 0.1667	Pathway	
	Filtered	Transported
Noble gases (atoms)	5.7162E+17	0.0000E+00
Elemental I (atoms)	1.0981E+14	0.0000E+00
Organic I (atoms)	3.3963E+12	0.0000E+00
Aerosols (kg)	6.9895E-11	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.1667	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.1667	Ci	kg	Atoms	Decay
Kr-85	2.0887E+02	5.3237E-04	3.7717E+21	4.8715E+15
Kr-85m	3.1100E+03	3.7791E-03	2.6774E+22	7.2537E+16
Kr-87	5.3976E+03	1.9056E-07	1.3190E+18	1.3187E+17
Kr-88	7.9831E+03	6.3665E-07	4.3568E+18	1.9009E+17
Rb-86	5.4977E-03	6.7566E-11	4.7313E+14	1.2824E+11
I-131	1.2751E+02	1.0285E-06	4.7280E+18	2.9748E+15
I-132	1.7427E+02	1.6883E-08	7.7024E+16	4.1699E+15
I-133	2.5358E+02	2.2385E-07	1.0136E+18	5.9312E+15
I-134	2.4484E+02	9.1782E-09	4.1248E+16	6.1097E+15
I-135	2.3485E+02	6.6875E-08	2.9832E+17	5.5265E+15
Xe-133	2.4473E+04	1.3074E-04	5.9200E+20	5.7106E+17
Xe-135	8.7424E+03	3.4234E-06	1.5271E+19	2.0518E+17
Cs-134	5.9297E-01	4.5831E-07	2.0597E+18	1.3830E+13
Cs-136	1.6497E-01	2.2509E-09	9.9672E+15	3.8485E+12
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	6.7951E+12

MVP Holdup Transport Group Inventory:

Time (h) = 0.1667	Atmosphere	Sump	
Noble gases (atoms)	3.1159E+22	0.0000E+00	
Elemental I (atoms)	5.9735E+18	0.0000E+00	
Organic I (atoms)	1.8475E+17	0.0000E+00	
Aerosols (kg)	3.8101E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.9933E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.5257E-06
Total I (Ci)			1.0351E+03

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.1667	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.1667	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18

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Aerosols (kg) 0.0000E+00 2.3498E-05

Detailed model information at time (H) = 0.2000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.2000	whole Body	Thyroid	TEDE
Delta dose (rem)	6.0664E-04	8.5207E-03	8.7724E-04
Accumulated dose (rem)	1.8563E+00	2.5245E+01	2.6586E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.2000	whole Body	Thyroid	TEDE
Delta dose (rem)	1.4594E-04	2.0499E-03	2.1104E-04
Accumulated dose (rem)	8.3166E-01	1.1310E+01	1.1911E+00

Control Room Doses:

Time (h) = 0.2000	whole Body	Thyroid	TEDE
Delta dose (rem)	9.6314E-04	2.7939E-01	9.8362E-03
Accumulated dose (rem)	3.4437E-03	9.7976E-01	3.4572E-02

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.2000	Ci	kg	Atoms	Decay
Kr-85	3.4541E+03	8.8039E-03	6.2375E+22	9.8330E+16
Kr-85m	5.1431E+04	6.2496E-02	4.4278E+23	1.4641E+18
Kr-87	8.7657E+04	3.0946E-06	2.1421E+19	2.6410E+18
Kr-88	1.3095E+05	1.0443E-05	7.1467E+19	3.8233E+18
Rb-86	9.0913E-02	1.1173E-09	7.8240E+15	2.5885E+12
I-131	2.1084E+03	1.7007E-05	7.8180E+19	6.0043E+16
I-132	2.8532E+03	2.7641E-07	1.2611E+18	8.3800E+16
I-133	4.1890E+03	3.6979E-06	1.6744E+19	1.1966E+17
I-134	3.9439E+03	1.4784E-07	6.6441E+17	1.2194E+17
I-135	3.8703E+03	1.1021E-06	4.9162E+18	1.1138E+17
Xe-133	4.0465E+05	2.1618E-03	9.7884E+21	1.1526E+19
Xe-135	1.4422E+05	5.6474E-05	2.5192E+20	4.1370E+18
Cs-134	9.8062E+00	7.5792E-06	3.4062E+19	2.7916E+14
Cs-136	2.7280E+00	3.7222E-08	1.6482E+17	7.7677E+13
Cs-137	4.8180E+00	5.5391E-05	2.4348E+20	1.3716E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 0.2000	Atmosphere	Sump	
Noble gases (atoms)	5.1528E+23	0.0000E+00	
Elemental I (atoms)	9.8712E+19	0.0000E+00	
Organic I (atoms)	3.0530E+18	0.0000E+00	
Aerosols (kg)	6.3008E-05	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.8868E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.3887E-06
Total I (Ci)			1.6965E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.2000 Leakage Transport

Noble gases (atoms)	7.1497E+18
Elemental I (atoms)	1.3707E+15
Organic I (atoms)	4.2391E+13
Aerosols (kg)	8.7425E-10

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.2000	Pathway	
	Filtered	Transported

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Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) =	0.2000				
		Ci	kg	Atoms	Bq
Kr-85		1.1223E+03	2.8607E-03	2.0267E+22	4.1527E+13
Kr-85m		1.6712E+04	2.0307E-02	1.4387E+23	6.1833E+14
Kr-87		2.9596E+04	1.0448E-06	7.2324E+18	1.0950E+15
Kr-88		4.3285E+04	3.4520E-06	2.3623E+19	1.6016E+15
Rb-86		2.9544E-02	3.6309E-10	2.5425E+15	1.0931E+09
I-131		6.8525E+02	5.5273E-06	2.5409E+19	2.5354E+13
I-132		9.4691E+02	9.1736E-08	4.1852E+17	3.5036E+13
I-133		1.3643E+03	1.2044E-06	5.4532E+18	5.0479E+13
I-134		1.3549E+03	5.0791E-08	2.2826E+17	5.0132E+13
I-135		1.2669E+03	3.6074E-07	1.6092E+18	4.6874E+13
Xe-133		1.3153E+05	7.0270E-04	3.1818E+21	4.8667E+15
Xe-135		4.7106E+04	1.8446E-05	8.2286E+19	1.7429E+15
Cs-134		3.1864E+00	2.4627E-06	1.1068E+19	1.1790E+11
Cs-136		8.8655E-01	1.2096E-08	5.3563E+16	3.2802E+10
Cs-137		1.5655E+00	1.7998E-05	7.9115E+19	5.7924E+10

Environment Transport Group Inventory:

Time (h) =	0.2000	Total Release	Release Rate/s
Noble gases (atoms)		1.6743E+23	2.3255E+20
Elemental I (atoms)		3.2125E+19	4.4618E+16
Organic I (atoms)		9.9356E+17	1.3799E+15
Aerosols (kg)		2.0473E-05	2.8435E-08
Dose Effective (Ci) I-131 (Thyroid)			9.5601E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2126E+03
Total I (Ci)			5.6183E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.2000 Leakage Transport

Noble gases (atoms)	7.1497E+18
Elemental I (atoms)	1.3707E+15
Organic I (atoms)	4.2391E+13
Aerosols (kg)	8.7425E-10

Normal Environment to Control Room Transport Group Inventory:

Time (h) =	0.2000	Pathway	
		Filtered	Transported
Noble gases (atoms)		0.0000E+00	5.5299E+18
Elemental I (atoms)		0.0000E+00	1.0630E+15
Organic I (atoms)		0.0000E+00	3.2877E+13
Aerosols (kg)		0.0000E+00	6.7617E-10

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) =	0.2000	Pathway	
		Filtered	Transported
Noble gases (atoms)		8.2732E+17	0.0000E+00
Elemental I (atoms)		1.5883E+14	0.0000E+00
Organic I (atoms)		4.9124E+12	0.0000E+00
Aerosols (kg)		1.0116E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

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Time (h) = 0.2000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.2000	Ci	kg	Atoms	Decay
Kr-85	2.0887E+02	5.3236E-04	3.7717E+21	5.7979E+15
Kr-85m	3.1100E+03	3.7791E-03	2.6774E+22	8.6331E+16
Kr-87	5.3005E+03	1.8713E-07	1.2953E+18	1.5560E+17
Kr-88	7.9185E+03	6.3150E-07	4.3216E+18	2.2536E+17
Rb-86	5.4974E-03	6.7563E-11	4.7311E+14	1.5263E+11
I-131	1.2749E+02	1.0284E-06	4.7275E+18	3.5404E+15
I-132	1.7253E+02	1.6714E-08	7.6255E+16	4.9390E+15
I-133	2.5330E+02	2.2361E-07	1.0125E+18	7.0554E+15
I-134	2.3848E+02	8.9397E-09	4.0176E+16	7.1815E+15
I-135	2.3404E+02	6.6641E-08	2.9728E+17	6.5664E+15
Xe-133	2.4469E+04	1.3072E-04	5.9190E+20	6.7960E+17
Xe-135	8.7208E+03	3.4149E-06	1.5233E+19	2.4391E+17
Cs-134	5.9297E-01	4.5831E-07	2.0597E+18	1.6461E+13
Cs-136	1.6496E-01	2.2508E-09	9.9664E+15	4.5802E+12
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	8.0873E+12

MVP Holdup Transport Group Inventory:

Time (h) = 0.2000	Atmosphere	Sump
Noble gases (atoms)	3.1159E+22	0.0000E+00
Elemental I (atoms)	5.9690E+18	0.0000E+00
Organic I (atoms)	1.8461E+17	0.0000E+00
Aerosols (kg)	3.8101E-06	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.9921E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		2.5220E-06
Total I (Ci)		1.0258E+03

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.2000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.2000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.3000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.3000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.8047E-03	2.5572E-02	2.6167E-03
Accumulated dose (rem)	1.8581E+00	2.5271E+01	2.6613E+00

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CRDA @ LPZ - Condenser Release Doses:

Time (h) =	0.3000	Whole Body	Thyroid	TEDE
Delta dose (rem)		4.3417E-04	6.1520E-03	6.2951E-04
Accumulated dose (rem)		8.3209E-01	1.1316E+01	1.1917E+00

Control Room Doses:

Time (h) =	0.3000	Whole Body	Thyroid	TEDE
Delta dose (rem)		2.6048E-03	7.6228E-01	2.6809E-02
Accumulated dose (rem)		6.0484E-03	1.7420E+00	6.1381E-02

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	0.3000	Ci	kg	Atoms	Decay
Kr-85		3.4539E+03	8.8036E-03	6.2372E+22	1.4434E+17
Kr-85m		5.1429E+04	6.2493E-02	4.4276E+23	2.1492E+18
Kr-87		8.3004E+04	2.9303E-06	2.0284E+19	3.7773E+18
Kr-88		1.2779E+05	1.0191E-05	6.9741E+19	5.5464E+18
Rb-86		9.0895E-02	1.1171E-09	7.8224E+15	3.7993E+12
I-131		2.1075E+03	1.7000E-05	7.8149E+19	8.8120E+16
I-132		2.7683E+03	2.6819E-07	1.2236E+18	1.2124E+17
I-133		4.1749E+03	3.6854E-06	1.6687E+19	1.7536E+17
I-134		3.6439E+03	1.3659E-07	6.1387E+17	1.7245E+17
I-135		3.8298E+03	1.0905E-06	4.8647E+18	1.6266E+17
Xe-133		4.0441E+05	2.1605E-03	9.7827E+21	1.6914E+19
Xe-135		1.4314E+05	5.6052E-05	2.5004E+20	6.0506E+18
Cs-134		9.8058E+00	7.5789E-06	3.4060E+19	4.0977E+14
Cs-136		2.7273E+00	3.7212E-08	1.6478E+17	1.1401E+14
Cs-137		4.8178E+00	5.5388E-05	2.4347E+20	2.0133E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	0.3000	Atmosphere	Sump	
Noble gases (atoms)		5.1525E+23	0.0000E+00	
Elemental I (atoms)		9.8492E+19	0.0000E+00	
Organic I (atoms)		3.0461E+18	0.0000E+00	
Aerosols (kg)		6.3006E-05	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)			1.8835E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)			2.3783E-06
Total I (Ci)				1.6524E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.3000 Leakage Transport

Noble gases (atoms)	2.8619E+19
Elemental I (atoms)	5.4836E+15
Organic I (atoms)	1.6960E+14
Aerosols (kg)	3.4995E-09

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	0.3000	Pathway	
		Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18
Aerosols (kg)		0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) =	0.3000	Ci	kg	Atoms	Bq
Kr-85		1.1225E+03	2.8610E-03	2.0270E+22	4.1532E+13
Kr-85m		1.6714E+04	2.0309E-02	1.4389E+23	6.1841E+14

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Kr-87	2.9599E+04	1.0450E-06	7.2333E+18	1.0952E+15
Kr-88	4.3291E+04	3.4524E-06	2.3626E+19	1.6018E+15
Rb-86	2.9547E-02	3.6314E-10	2.5428E+15	1.0933E+09
I-131	6.8534E+02	5.5281E-06	2.5413E+19	2.5358E+13
I-132	9.4702E+02	9.1747E-08	4.1857E+17	3.5040E+13
I-133	1.3645E+03	1.2045E-06	5.4539E+18	5.0486E+13
I-134	1.3551E+03	5.0796E-08	2.2829E+17	5.0138E+13
I-135	1.2670E+03	3.6079E-07	1.6094E+18	4.6880E+13
Xe-133	1.3155E+05	7.0279E-04	3.1822E+21	4.8673E+15
Xe-135	4.7112E+04	1.8449E-05	8.2296E+19	1.7432E+15
Cs-134	3.1868E+00	2.4630E-06	1.1069E+19	1.1791E+11
Cs-136	8.8667E-01	1.2098E-08	5.3570E+16	3.2807E+10
Cs-137	1.5657E+00	1.8000E-05	7.9125E+19	5.7932E+10

Environment Transport Group Inventory:

	Total Release	Release Rate/s
Time (h) = 0.3000		
Noble gases (atoms)	1.6746E+23	1.5505E+20
Elemental I (atoms)	3.2129E+19	2.9749E+16
Organic I (atoms)	9.9369E+17	9.2008E+14
Aerosols (kg)	2.0476E-05	1.8959E-08
Dose Effective (Ci) I-131 (Thyroid)		9.5613E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		1.2127E+03
Total I (Ci)		5.6190E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.3000 Leakage Transport

Noble gases (atoms)	2.8619E+19
Elemental I (atoms)	5.4836E+15
Organic I (atoms)	1.6960E+14
Aerosols (kg)	3.4995E-09

Normal Environment to Control Room Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 0.3000		
Noble gases (atoms)	0.0000E+00	5.5921E+18
Elemental I (atoms)	0.0000E+00	1.0749E+15
Organic I (atoms)	0.0000E+00	3.3246E+13
Aerosols (kg)	0.0000E+00	6.8378E-10

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 0.3000		
Noble gases (atoms)	1.5241E+18	0.0000E+00
Elemental I (atoms)	2.9232E+14	0.0000E+00
Organic I (atoms)	9.0407E+12	0.0000E+00
Aerosols (kg)	1.8636E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 0.3000		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

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Time (h) = 0.3000	Ci	kg	Atoms	Decay
Kr-85	2.0887E+02	5.3236E-04	3.7717E+21	8.5800E+15
Kr-85m	3.1100E+03	3.7791E-03	2.6774E+22	1.2776E+17
Kr-87	5.0194E+03	1.7720E-07	1.2266E+18	2.2431E+17
Kr-88	7.7276E+03	6.1627E-07	4.2174E+18	3.2955E+17
Rb-86	5.4966E-03	6.7552E-11	4.7303E+14	2.2585E+11
I-131	1.2745E+02	1.0280E-06	4.7258E+18	5.2382E+15
I-132	1.6741E+02	1.6218E-08	7.3991E+16	7.2028E+15
I-133	2.5246E+02	2.2286E-07	1.0091E+18	1.0424E+16
I-134	2.2035E+02	8.2601E-09	3.7122E+16	1.0236E+16
I-135	2.3159E+02	6.5946E-08	2.9418E+17	9.6674E+15
Xe-133	2.4455E+04	1.3065E-04	5.9157E+20	1.0054E+18
Xe-135	8.6560E+03	3.3896E-06	1.5120E+19	3.5963E+17
Cs-134	5.9297E-01	4.5831E-07	2.0597E+18	2.4359E+13
Cs-136	1.6492E-01	2.2503E-09	9.9642E+15	6.7772E+12
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	1.1968E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.3000	Atmosphere	Sump
Noble gases (atoms)	3.1158E+22	0.0000E+00
Elemental I (atoms)	5.9559E+18	0.0000E+00
Organic I (atoms)	1.8420E+17	0.0000E+00
Aerosols (kg)	3.8100E-06	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.9887E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		2.5112E-06
Total I (Ci)		9.9926E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.3000	Pathway	Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18
Aerosols (kg)		0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.3000	Pathway	Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9217E+23
Elemental I (atoms)		0.0000E+00	3.6947E+19
Organic I (atoms)		0.0000E+00	1.1427E+18
Aerosols (kg)		0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.3100

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.3100	whole Body	Thyroid	TEDE
Delta dose (rem)	1.7550E-04	2.5528E-03	2.5651E-04
Accumulated dose (rem)	1.8583E+00	2.5273E+01	2.6615E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.3100	whole Body	Thyroid	TEDE
Delta dose (rem)	4.2220E-05	6.1413E-04	6.1709E-05
Accumulated dose (rem)	8.3214E-01	1.1317E+01	1.1918E+00

Control Room Doses:

Time (h) = 0.3100	whole Body	Thyroid	TEDE
Delta dose (rem)	2.3312E-04	7.0033E-02	2.4556E-03

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Accumulated dose (rem) 6.2815E-03 1.8121E+00 6.3837E-02

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	Ci	kg	Atoms	Decay
0.3100				
Kr-85	3.4539E+03	8.8035E-03	6.2372E+22	1.4894E+17
Kr-85m	5.1429E+04	6.2493E-02	4.4275E+23	2.2177E+18
Kr-87	8.2552E+04	2.9144E-06	2.0173E+19	3.8876E+18
Kr-88	1.2748E+05	1.0166E-05	6.9571E+19	5.7164E+18
Rb-86	9.0893E-02	1.1171E-09	7.8223E+15	3.9204E+12
I-131	2.1075E+03	1.6999E-05	7.8145E+19	9.0927E+16
I-132	2.7600E+03	2.6739E-07	1.2199E+18	1.2492E+17
I-133	4.1734E+03	3.6842E-06	1.6682E+19	1.8092E+17
I-134	3.6152E+03	1.3552E-07	6.0904E+17	1.7728E+17
I-135	3.8258E+03	1.0894E-06	4.8596E+18	1.6776E+17
Xe-133	4.0439E+05	2.1604E-03	9.7821E+21	1.7453E+19
Xe-135	1.4303E+05	5.6010E-05	2.4985E+20	6.2412E+18
Cs-134	9.8057E+00	7.5788E-06	3.4060E+19	4.2284E+14
Cs-136	2.7272E+00	3.7211E-08	1.6477E+17	1.1764E+14
Cs-137	4.8178E+00	5.5388E-05	2.4347E+20	2.0775E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	Atmosphere	Sump
0.3100		
Noble gases (atoms)	5.1525E+23	0.0000E+00
Elemental I (atoms)	9.8470E+19	0.0000E+00
Organic I (atoms)	3.0455E+18	0.0000E+00
Aerosols (kg)	6.3005E-05	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.8832E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		2.3773E-06
Total I (Ci)		1.6482E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.3100 Leakage Transport

Noble gases (atoms)	3.0766E+19
Elemental I (atoms)	5.8940E+15
Organic I (atoms)	1.8229E+14
Aerosols (kg)	3.7621E-09

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	Pathway	Transported
0.3100		
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) =	Ci	kg	Atoms	Bq
0.3100				
Kr-85	1.1225E+03	2.8611E-03	2.0270E+22	4.1532E+13
Kr-85m	1.6714E+04	2.0310E-02	1.4389E+23	6.1842E+14
Kr-87	2.9600E+04	1.0450E-06	7.2334E+18	1.0952E+15
Kr-88	4.3291E+04	3.4525E-06	2.3626E+19	1.6018E+15
Rb-86	2.9548E-02	3.6314E-10	2.5429E+15	1.0933E+09
I-131	6.8535E+02	5.5281E-06	2.5413E+19	2.5358E+13
I-132	9.4704E+02	9.1748E-08	4.1857E+17	3.5040E+13
I-133	1.3645E+03	1.2045E-06	5.4540E+18	5.0486E+13
I-134	1.3551E+03	5.0797E-08	2.2829E+17	5.0138E+13
I-135	1.2670E+03	3.6079E-07	1.6094E+18	4.6881E+13
Xe-133	1.3155E+05	7.0280E-04	3.1822E+21	4.8674E+15
Xe-135	4.7113E+04	1.8449E-05	8.2297E+19	1.7432E+15

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Cs-134	3.1868E+00	2.4631E-06	1.1069E+19	1.1791E+11
Cs-136	8.8668E-01	1.2098E-08	5.3571E+16	3.2807E+10
Cs-137	1.5657E+00	1.8001E-05	7.9126E+19	5.7932E+10

Environment Transport Group Inventory:

Time (h) = 0.3100	Total Release	Release Rate/s	
Noble gases (atoms)	1.6746E+23	1.5005E+20	
Elemental I (atoms)	3.2130E+19	2.8790E+16	
Organic I (atoms)	9.9370E+17	8.9041E+14	
Aerosols (kg)	2.0476E-05	1.8348E-08	
Dose Effective (Ci) I-131 (Thyroid)			9.5614E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2128E+03
Total I (Ci)			5.6190E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.3100 Leakage Transport

Noble gases (atoms)	3.0766E+19
Elemental I (atoms)	5.8940E+15
Organic I (atoms)	1.8229E+14
Aerosols (kg)	3.7621E-09

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 0.3100	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.5983E+18
Elemental I (atoms)	0.0000E+00	1.0761E+15
Organic I (atoms)	0.0000E+00	3.3282E+13
Aerosols (kg)	0.0000E+00	6.8454E-10

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 0.3100	Pathway Filtered	Transported
Noble gases (atoms)	1.5883E+18	0.0000E+00
Elemental I (atoms)	3.0460E+14	0.0000E+00
Organic I (atoms)	9.4206E+12	0.0000E+00
Aerosols (kg)	1.9422E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.3100	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.3100	Ci	kg	Atoms	Decay
Kr-85	2.0887E+02	5.3236E-04	3.7717E+21	8.8582E+15
Kr-85m	3.1100E+03	3.7791E-03	2.6774E+22	1.3190E+17
Kr-87	4.9921E+03	1.7624E-07	1.2199E+18	2.3098E+17
Kr-88	7.7087E+03	6.1477E-07	4.2071E+18	3.3983E+17
Rb-86	5.4965E-03	6.7551E-11	4.7303E+14	2.3317E+11
I-131	1.2744E+02	1.0280E-06	4.7256E+18	5.4080E+15
I-132	1.6690E+02	1.6169E-08	7.3768E+16	7.4254E+15
I-133	2.5238E+02	2.2279E-07	1.0088E+18	1.0760E+16
I-134	2.1862E+02	8.1950E-09	3.6830E+16	1.0528E+16

	CRDA	GAP	MVP	TRIP	10 MIN.o0
I-135	2.3135E+02	6.5877E-08	2.9387E+17	9.9758E+15	
Xe-133	2.4454E+04	1.3064E-04	5.9154E+20	1.0380E+18	
Xe-135	8.6496E+03	3.3870E-06	1.5109E+19	3.7115E+17	
Cs-134	5.9297E-01	4.5831E-07	2.0597E+18	2.5149E+13	
Cs-136	1.6492E-01	2.2502E-09	9.9640E+15	6.9969E+12	
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	1.2356E+13	

MVP Holdup Transport Group Inventory:

Time (h) =	0.3100	Atmosphere	Sump	
Noble gases (atoms)	3.1158E+22	0.0000E+00		
Elemental I (atoms)	5.9547E+18	0.0000E+00		
Organic I (atoms)	1.8416E+17	0.0000E+00		
Aerosols (kg)	3.8100E-06	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)			1.9884E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)			2.5101E-06
Total I (Ci)				9.9669E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) =	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) =	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.3200

CRDA @ EAB - Condenser Release Doses:

Time (h) =	0.3200	Whole Body	Thyroid	TEDE
Delta dose (rem)		1.7501E-04	2.5523E-03	2.5600E-04
Accumulated dose (rem)		1.8585E+00	2.5276E+01	2.6618E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	0.3200	Whole Body	Thyroid	TEDE
Delta dose (rem)		4.2103E-05	6.1402E-04	6.1588E-05
Accumulated dose (rem)		8.3218E-01	1.1317E+01	1.1919E+00

Control Room Doses:

Time (h) =	0.3200	Whole Body	Thyroid	TEDE
Delta dose (rem)		2.2913E-04	6.9014E-02	2.4192E-03
Accumulated dose (rem)		6.5107E-03	1.8811E+00	6.6256E-02

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	0.3200	Ci	kg	Atoms	Decay
Kr-85		3.4539E+03	8.8035E-03	6.2372E+22	1.5354E+17
Kr-85m		5.1429E+04	6.2493E-02	4.4275E+23	2.2862E+18
Kr-87		8.2103E+04	2.8985E-06	2.0064E+19	3.9972E+18
Kr-88		1.2717E+05	1.0141E-05	6.9401E+19	5.8860E+18
Rb-86		9.0891E-02	1.1170E-09	7.8221E+15	4.0414E+12

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I-131	2.1074E+03	1.6998E-05	7.8142E+19	9.3734E+16
I-132	2.7517E+03	2.6658E-07	1.2162E+18	1.2859E+17
I-133	4.1720E+03	3.6829E-06	1.6676E+19	1.8648E+17
I-134	3.5867E+03	1.3445E-07	6.0424E+17	1.8208E+17
I-135	3.8217E+03	1.0882E-06	4.8545E+18	1.7285E+17
Xe-133	4.0436E+05	2.1603E-03	9.7815E+21	1.7991E+19
Xe-135	1.4293E+05	5.5968E-05	2.4967E+20	6.4316E+18
Cs-134	9.8057E+00	7.5788E-06	3.4060E+19	4.3590E+14
Cs-136	2.7272E+00	3.7210E-08	1.6477E+17	1.2127E+14
Cs-137	4.8177E+00	5.5388E-05	2.4347E+20	2.1416E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	0.3200	Atmosphere	Sump	
Noble gases (atoms)	5.1524E+23	0.0000E+00		
Elemental I (atoms)	9.8448E+19	0.0000E+00		
Organic I (atoms)	3.0448E+18	0.0000E+00		
Aerosols (kg)	6.3005E-05	0.0000E+00		
Dose Effective (Ci/cc) I-131 (Thyroid)				1.8829E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)				2.3763E-06
Total I (Ci)				1.6440E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.3200 Leakage Transport

Noble gases (atoms)	3.2913E+19
Elemental I (atoms)	6.3043E+15
Organic I (atoms)	1.9498E+14
Aerosols (kg)	4.0246E-09

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) =	0.3200	Filtered Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) =	0.3200	Ci	kg	Atoms	Bq
Kr-85		1.1225E+03	2.8611E-03	2.0271E+22	4.1533E+13
Kr-85m		1.6714E+04	2.0310E-02	1.4389E+23	6.1842E+14
Kr-87		2.9600E+04	1.0450E-06	7.2334E+18	1.0952E+15
Kr-88		4.3292E+04	3.4525E-06	2.3627E+19	1.6018E+15
Rb-86		2.9548E-02	3.6314E-10	2.5429E+15	1.0933E+09
I-131		6.8536E+02	5.5282E-06	2.5413E+19	2.5358E+13
I-132		9.4705E+02	9.1749E-08	4.1858E+17	3.5041E+13
I-133		1.3645E+03	1.2045E-06	5.4541E+18	5.0487E+13
I-134		1.3551E+03	5.0797E-08	2.2829E+17	5.0139E+13
I-135		1.2671E+03	3.6080E-07	1.6095E+18	4.6881E+13
Xe-133		1.3155E+05	7.0281E-04	3.1823E+21	4.8675E+15
Xe-135		4.7114E+04	1.8449E-05	8.2298E+19	1.7432E+15
Cs-134		3.1868E+00	2.4631E-06	1.1070E+19	1.1791E+11
Cs-136		8.8669E-01	1.2098E-08	5.3571E+16	3.2807E+10
Cs-137		1.5658E+00	1.8001E-05	7.9127E+19	5.7933E+10

Environment Transport Group Inventory:

Time (h) =	0.3200	Total Release	Release Rate/s
Noble gases (atoms)		1.6746E+23	1.4536E+20
Elemental I (atoms)		3.2130E+19	2.7891E+16

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Organic I (atoms)	9.9371E+17	8.6260E+14	
Aerosols (kg)	2.0477E-05	1.7775E-08	
Dose Effective (Ci) I-131 (Thyroid)			9.5615E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2128E+03
Total I (Ci)			5.6191E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 0.3200 Leakage Transport

Noble gases (atoms)	3.2913E+19
Elemental I (atoms)	6.3043E+15
Organic I (atoms)	1.9498E+14
Aerosols (kg)	4.0246E-09

Normal Environment to Control Room Transport Group Inventory:

	Pathway	
Time (h) = 0.3200	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.6045E+18
Elemental I (atoms)	0.0000E+00	1.0773E+15
Organic I (atoms)	0.0000E+00	3.3319E+13
Aerosols (kg)	0.0000E+00	6.8530E-10

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.3200	Filtered	Transported
Noble gases (atoms)	1.6517E+18	0.0000E+00
Elemental I (atoms)	3.1670E+14	0.0000E+00
Organic I (atoms)	9.7949E+12	0.0000E+00
Aerosols (kg)	2.0196E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.3200	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.3200	Ci	kg	Atoms	Decay
Kr-85	2.0887E+02	5.3236E-04	3.7717E+21	9.1364E+15
Kr-85m	3.1100E+03	3.7791E-03	2.6774E+22	1.3604E+17
Kr-87	4.9649E+03	1.7528E-07	1.2133E+18	2.3761E+17
Kr-88	7.6899E+03	6.1327E-07	4.1968E+18	3.5009E+17
Rb-86	5.4964E-03	6.7550E-11	4.7302E+14	2.4049E+11
I-131	1.2744E+02	1.0279E-06	4.7254E+18	5.5777E+15
I-132	1.6640E+02	1.6121E-08	7.3546E+16	7.6474E+15
I-133	2.5229E+02	2.2271E-07	1.0084E+18	1.1096E+16
I-134	2.1689E+02	8.1305E-09	3.6539E+16	1.0818E+16
I-135	2.3111E+02	6.5808E-08	2.9356E+17	1.0284E+16
Xe-133	2.4453E+04	1.3064E-04	5.9151E+20	1.0706E+18
Xe-135	8.6431E+03	3.3845E-06	1.5098E+19	3.8267E+17
Cs-134	5.9297E-01	4.5831E-07	2.0597E+18	2.5939E+13
Cs-136	1.6492E-01	2.2502E-09	9.9638E+15	7.2166E+12
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	1.2744E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.3200	Atmosphere	Sump
Noble gases (atoms)	3.1158E+22	0.0000E+00

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Elemental I (atoms)	5.9534E+18	0.0000E+00	
Organic I (atoms)	1.8412E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.9880E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.5090E-06
Total I (Ci)			9.9413E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 0.3200	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.3200	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.3300

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.3300	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.7452E-04	2.5519E-03	2.5550E-04
Accumulated dose (rem)	1.8587E+00	2.5278E+01	2.6620E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.3300	Whole Body	Thyroid	TEDE
Delta dose (rem)	4.1986E-05	6.1392E-04	6.1466E-05
Accumulated dose (rem)	8.3222E-01	1.1318E+01	1.1919E+00

Control Room Doses:

Time (h) = 0.3300	Whole Body	Thyroid	TEDE
Delta dose (rem)	2.2521E-04	6.8010E-02	2.3833E-03
Accumulated dose (rem)	6.7359E-03	1.9491E+00	6.8639E-02

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.3300	Ci	kg	Atoms	Decay
Kr-85	3.4539E+03	8.8034E-03	6.2371E+22	1.5814E+17
Kr-85m	5.1428E+04	6.2492E-02	4.4275E+23	2.3547E+18
Kr-87	8.1656E+04	2.8828E-06	1.9955E+19	4.1063E+18
Kr-88	1.2685E+05	1.0117E-05	6.9232E+19	6.0551E+18
Rb-86	9.0890E-02	1.1170E-09	7.8220E+15	4.1625E+12
I-131	2.1073E+03	1.6998E-05	7.8139E+19	9.6541E+16
I-132	2.7434E+03	2.6578E-07	1.2125E+18	1.3225E+17
I-133	4.1706E+03	3.6817E-06	1.6670E+19	1.9204E+17
I-134	3.5584E+03	1.3339E-07	5.9948E+17	1.8683E+17
I-135	3.8177E+03	1.0871E-06	4.8494E+18	1.7794E+17
Xe-133	4.0434E+05	2.1601E-03	9.7809E+21	1.8530E+19
Xe-135	1.4282E+05	5.5926E-05	2.4948E+20	6.6219E+18
Cs-134	9.8056E+00	7.5788E-06	3.4060E+19	4.4896E+14
Cs-136	2.7271E+00	3.7209E-08	1.6476E+17	1.2491E+14
Cs-137	4.8177E+00	5.5388E-05	2.4347E+20	2.2058E+14

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DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 0.3300	Atmosphere	Sump	
Noble gases (atoms)	5.1524E+23	0.0000E+00	
Elemental I (atoms)	9.8427E+19	0.0000E+00	
Organic I (atoms)	3.0441E+18	0.0000E+00	
Aerosols (kg)	6.3005E-05	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.8825E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.3753E-06
Total I (Ci)			1.6397E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.3300 Leakage Transport

Noble gases (atoms)	3.5060E+19
Elemental I (atoms)	6.7145E+15
Organic I (atoms)	2.0766E+14
Aerosols (kg)	4.2871E-09

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 0.3300	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 0.3300	Ci	kg	Atoms	Bq
Kr-85	1.1225E+03	2.8611E-03	2.0271E+22	4.1534E+13
Kr-85m	1.6714E+04	2.0310E-02	1.4390E+23	6.1843E+14
Kr-87	2.9600E+04	1.0450E-06	7.2335E+18	1.0952E+15
Kr-88	4.3292E+04	3.4525E-06	2.3627E+19	1.6018E+15
Rb-86	2.9549E-02	3.6315E-10	2.5429E+15	1.0933E+09
I-131	6.8537E+02	5.5283E-06	2.5414E+19	2.5359E+13
I-132	9.4706E+02	9.1750E-08	4.1858E+17	3.5041E+13
I-133	1.3645E+03	1.2046E-06	5.4541E+18	5.0488E+13
I-134	1.3551E+03	5.0798E-08	2.2829E+17	5.0140E+13
I-135	1.2671E+03	3.6080E-07	1.6095E+18	4.6882E+13
Xe-133	1.3155E+05	7.0282E-04	3.1823E+21	4.8675E+15
Xe-135	4.7114E+04	1.8449E-05	8.2299E+19	1.7432E+15
Cs-134	3.1869E+00	2.4631E-06	1.1070E+19	1.1791E+11
Cs-136	8.8670E-01	1.2098E-08	5.3572E+16	3.2808E+10
Cs-137	1.5658E+00	1.8001E-05	7.9128E+19	5.7934E+10

Environment Transport Group Inventory:

	Total	Release	
Time (h) = 0.3300	Release	Rate/s	
Noble gases (atoms)	1.6746E+23	1.4096E+20	
Elemental I (atoms)	3.2130E+19	2.7046E+16	
Organic I (atoms)	9.9373E+17	8.3647E+14	
Aerosols (kg)	2.0477E-05	1.7236E-08	
Dose Effective (Ci)	I-131 (Thyroid)		9.5617E+02
Dose Effective (Ci)	I-131 (ICRP2 Thyroid)		1.2128E+03
Total I (Ci)			5.6192E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.3300 Leakage Transport

Noble gases (atoms)	3.5060E+19
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Elemental I (atoms) 6.7145E+15
 Organic I (atoms) 2.0766E+14
 Aerosols (kg) 4.2871E-09

Normal Environment to Control Room Transport Group Inventory:

	Pathway	
Time (h) = 0.3300	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.6108E+18
Elemental I (atoms)	0.0000E+00	1.0785E+15
Organic I (atoms)	0.0000E+00	3.3356E+13
Aerosols (kg)	0.0000E+00	6.8606E-10

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.3300	Filtered	Transported
Noble gases (atoms)	1.7141E+18	0.0000E+00
Elemental I (atoms)	3.2863E+14	0.0000E+00
Organic I (atoms)	1.0164E+13	0.0000E+00
Aerosols (kg)	2.0960E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.3300	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.3300	Ci	kg	Atoms	Decay
Kr-85	2.0887E+02	5.3236E-04	3.7717E+21	9.4146E+15
Kr-85m	3.1100E+03	3.7791E-03	2.6774E+22	1.4018E+17
Kr-87	4.9379E+03	1.7433E-07	1.2067E+18	2.4421E+17
Kr-88	7.6712E+03	6.1178E-07	4.1866E+18	3.6032E+17
Rb-86	5.4963E-03	6.7549E-11	4.7301E+14	2.4781E+11
I-131	1.2743E+02	1.0279E-06	4.7253E+18	5.7475E+15
I-132	1.6590E+02	1.6072E-08	7.3325E+16	7.8687E+15
I-133	2.5221E+02	2.2264E-07	1.0081E+18	1.1432E+16
I-134	2.1519E+02	8.0665E-09	3.6252E+16	1.1106E+16
I-135	2.3087E+02	6.5739E-08	2.9325E+17	1.0591E+16
Xe-133	2.4451E+04	1.3063E-04	5.9148E+20	1.1032E+18
Xe-135	8.6367E+03	3.3820E-06	1.5087E+19	3.9418E+17
Cs-134	5.9297E-01	4.5831E-07	2.0597E+18	2.6728E+13
Cs-136	1.6491E-01	2.2501E-09	9.9636E+15	7.4362E+12
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	1.3132E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.3300	Atmosphere	Sump	
Noble gases (atoms)	3.1158E+22	0.0000E+00	
Elemental I (atoms)	5.9521E+18	0.0000E+00	
Organic I (atoms)	1.8409E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.9877E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.5080E-06
Total I (Ci)			9.9159E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Pathway

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Time (h) = 0.3300	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.3300	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.3400

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.3400	whole Body	Thyroid	TEDE
Delta dose (rem)	1.7404E-04	2.5514E-03	2.5500E-04
Accumulated dose (rem)	1.8588E+00	2.5281E+01	2.6623E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.3400	whole Body	Thyroid	TEDE
Delta dose (rem)	4.1869E-05	6.1381E-04	6.1345E-05
Accumulated dose (rem)	8.3226E-01	1.1319E+01	1.1920E+00

Control Room Doses:

Time (h) = 0.3400	whole Body	Thyroid	TEDE
Delta dose (rem)	2.2136E-04	6.7023E-02	2.3480E-03
Accumulated dose (rem)	6.9572E-03	2.0161E+00	7.0987E-02

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.3400	Ci	kg	Atoms	Decay
Kr-85	3.4539E+03	8.8034E-03	6.2371E+22	1.6274E+17
Kr-85m	5.1428E+04	6.2492E-02	4.4275E+23	2.4232E+18
Kr-87	8.1212E+04	2.8671E-06	1.9846E+19	4.2147E+18
Kr-88	1.2655E+05	1.0092E-05	6.9063E+19	6.2239E+18
Rb-86	9.0888E-02	1.1170E-09	7.8218E+15	4.2836E+12
I-131	2.1072E+03	1.6997E-05	7.8136E+19	9.9348E+16
I-132	2.7351E+03	2.6498E-07	1.2089E+18	1.3590E+17
I-133	4.1692E+03	3.6804E-06	1.6665E+19	1.9759E+17
I-134	3.5304E+03	1.3234E-07	5.9475E+17	1.9156E+17
I-135	3.8137E+03	1.0860E-06	4.8443E+18	1.8302E+17
Xe-133	4.0432E+05	2.1600E-03	9.7804E+21	1.9068E+19
Xe-135	1.4271E+05	5.5885E-05	2.4929E+20	6.8121E+18
Cs-134	9.8056E+00	7.5787E-06	3.4060E+19	4.6202E+14
Cs-136	2.7270E+00	3.7208E-08	1.6476E+17	1.2854E+14
Cs-137	4.8177E+00	5.5388E-05	2.4347E+20	2.2700E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 0.3400	Atmosphere	Sump	
Noble gases (atoms)	5.1524E+23	0.0000E+00	
Elemental I (atoms)	9.8405E+19	0.0000E+00	
Organic I (atoms)	3.0435E+18	0.0000E+00	
Aerosols (kg)	6.3005E-05	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.8822E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.3743E-06
Total I (Ci)			1.6356E+04

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DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 0.3400 Leakage Transport

Noble gases (atoms)	3.7207E+19
Elemental I (atoms)	7.1246E+15
Organic I (atoms)	2.2035E+14
Aerosols (kg)	4.5496E-09

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.3400	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 0.3400	Ci	kg	Atoms	Bq
Kr-85	1.1225E+03	2.8612E-03	2.0271E+22	4.1534E+13
Kr-85m	1.6715E+04	2.0311E-02	1.4390E+23	6.1844E+14
Kr-87	2.9601E+04	1.0450E-06	7.2336E+18	1.0952E+15
Kr-88	4.3293E+04	3.4526E-06	2.3627E+19	1.6018E+15
Rb-86	2.9549E-02	3.6315E-10	2.5430E+15	1.0933E+09
I-131	6.8537E+02	5.5283E-06	2.5414E+19	2.5359E+13
I-132	9.4707E+02	9.1751E-08	4.1859E+17	3.5042E+13
I-133	1.3646E+03	1.2046E-06	5.4542E+18	5.0488E+13
I-134	1.3551E+03	5.0799E-08	2.2830E+17	5.0140E+13
I-135	1.2671E+03	3.6080E-07	1.6095E+18	4.6882E+13
Xe-133	1.3156E+05	7.0283E-04	3.1823E+21	4.8676E+15
Xe-135	4.7115E+04	1.8449E-05	8.2300E+19	1.7432E+15
Cs-134	3.1869E+00	2.4632E-06	1.1070E+19	1.1792E+11
Cs-136	8.8671E-01	1.2099E-08	5.3573E+16	3.2808E+10
Cs-137	1.5658E+00	1.8001E-05	7.9129E+19	5.7934E+10

Environment Transport Group Inventory:

Time (h) = 0.3400	Total Release		Rate/s
	Release	Rate/s	
Noble gases (atoms)	1.6746E+23	1.3682E+20	
Elemental I (atoms)	3.2131E+19	2.6251E+16	
Organic I (atoms)	9.9374E+17	8.1188E+14	
Aerosols (kg)	2.0477E-05	1.6730E-08	
Dose Effective (Ci) I-131 (Thyroid)			9.5618E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2128E+03
Total I (Ci)			5.6192E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 0.3400 Leakage Transport

Noble gases (atoms)	3.7207E+19
Elemental I (atoms)	7.1246E+15
Organic I (atoms)	2.2035E+14
Aerosols (kg)	4.5496E-09

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 0.3400	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.6170E+18
Elemental I (atoms)	0.0000E+00	1.0797E+15

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Organic I (atoms) 0.0000E+00 3.3393E+13
 Aerosols (kg) 0.0000E+00 6.8682E-10

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.3400	Filtered	Transported
Noble gases (atoms)	1.7756E+18	0.0000E+00
Elemental I (atoms)	3.4038E+14	0.0000E+00
Organic I (atoms)	1.0527E+13	0.0000E+00
Aerosols (kg)	2.1712E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.3400	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.3400	Ci	kg	Atoms	Decay
Kr-85	2.0887E+02	5.3236E-04	3.7717E+21	9.6929E+15
Kr-85m	3.1100E+03	3.7791E-03	2.6774E+22	1.4433E+17
Kr-87	4.9111E+03	1.7338E-07	1.2001E+18	2.5077E+17
Kr-88	7.6525E+03	6.1028E-07	4.1764E+18	3.7053E+17
Rb-86	5.4962E-03	6.7548E-11	4.7300E+14	2.5513E+11
I-131	1.2743E+02	1.0279E-06	4.7251E+18	5.9172E+15
I-132	1.6540E+02	1.6024E-08	7.3104E+16	8.0894E+15
I-133	2.5212E+02	2.2256E-07	1.0078E+18	1.1768E+16
I-134	2.1349E+02	8.0029E-09	3.5966E+16	1.1391E+16
I-135	2.3062E+02	6.5670E-08	2.9294E+17	1.0899E+16
Xe-133	2.4450E+04	1.3062E-04	5.9144E+20	1.1357E+18
Xe-135	8.6303E+03	3.3795E-06	1.5075E+19	4.0568E+17
Cs-134	5.9297E-01	4.5831E-07	2.0597E+18	2.7518E+13
Cs-136	1.6491E-01	2.2501E-09	9.9634E+15	7.6559E+12
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	1.3520E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.3400	Atmosphere	Sump	
Noble gases (atoms)	3.1158E+22	0.0000E+00	
Elemental I (atoms)	5.9508E+18	0.0000E+00	
Organic I (atoms)	1.8405E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.9874E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.5069E-06
Total I (Ci)			9.8907E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 0.3400	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.3400	Filtered	Transported

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Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.3500

CRDA @ EAB - Condenser Release Doses:

Time (h) =	0.3500	Whole Body	Thyroid	TEDE
Delta dose (rem)		1.7356E-04	2.5510E-03	2.5449E-04
Accumulated dose (rem)		1.8590E+00	2.5283E+01	2.6625E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	0.3500	Whole Body	Thyroid	TEDE
Delta dose (rem)		4.1753E-05	6.1370E-04	6.1225E-05
Accumulated dose (rem)		8.3230E-01	1.1319E+01	1.1920E+00

Control Room Doses:

Time (h) =	0.3500	Whole Body	Thyroid	TEDE
Delta dose (rem)		2.1759E-04	6.6052E-02	2.3133E-03
Accumulated dose (rem)		7.1748E-03	2.0822E+00	7.3300E-02

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	0.3500	Ci	kg	Atoms	Decay
Kr-85		3.4539E+03	8.8034E-03	6.2371E+22	1.6734E+17
Kr-85m		5.1428E+04	6.2492E-02	4.4275E+23	2.4917E+18
Kr-87		8.0770E+04	2.8515E-06	1.9738E+19	4.3226E+18
Kr-88		1.2624E+05	1.0067E-05	6.8894E+19	6.3923E+18
Rb-86		9.0886E-02	1.1170E-09	7.8216E+15	4.4046E+12
I-131		2.1071E+03	1.6996E-05	7.8133E+19	1.0215E+17
I-132		2.7269E+03	2.6418E-07	1.2052E+18	1.3953E+17
I-133		4.1678E+03	3.6792E-06	1.6659E+19	2.0314E+17
I-134		3.5026E+03	1.3130E-07	5.9007E+17	1.9624E+17
I-135		3.8097E+03	1.0848E-06	4.8392E+18	1.8810E+17
Xe-133		4.0429E+05	2.1599E-03	9.7798E+21	1.9607E+19
Xe-135		1.4261E+05	5.5843E-05	2.4911E+20	7.0021E+18
Cs-134		9.8056E+00	7.5787E-06	3.4060E+19	4.7508E+14
Cs-136		2.7269E+00	3.7207E-08	1.6475E+17	1.3217E+14
Cs-137		4.8177E+00	5.5387E-05	2.4347E+20	2.3342E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	0.3500	Atmosphere	Sump
Noble gases (atoms)		5.1523E+23	0.0000E+00
Elemental I (atoms)		9.8384E+19	0.0000E+00
Organic I (atoms)		3.0428E+18	0.0000E+00
Aerosols (kg)		6.3004E-05	0.0000E+00
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.8819E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.3733E-06
Total I (Ci)			1.6314E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.3500 Leakage Transport

Noble gases (atoms)	3.9354E+19
Elemental I (atoms)	7.5346E+15
Organic I (atoms)	2.3303E+14
Aerosols (kg)	4.8121E-09

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

CRDA GAP MVP TRIP 10 MIN.00

	Pathway	
Time (h) = 0.3500	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 0.3500	Ci	kg	Atoms	Bq
Kr-85	1.1226E+03	2.8612E-03	2.0271E+22	4.1535E+13
Kr-85m	1.6715E+04	2.0311E-02	1.4390E+23	6.1845E+14
Kr-87	2.9601E+04	1.0450E-06	7.2337E+18	1.0952E+15
Kr-88	4.3293E+04	3.4526E-06	2.3627E+19	1.6019E+15
Rb-86	2.9549E-02	3.6316E-10	2.5430E+15	1.0933E+09
I-131	6.8538E+02	5.5284E-06	2.5414E+19	2.5359E+13
I-132	9.4708E+02	9.1752E-08	4.1859E+17	3.5042E+13
I-133	1.3646E+03	1.2046E-06	5.4543E+18	5.0489E+13
I-134	1.3552E+03	5.0799E-08	2.2830E+17	5.0141E+13
I-135	1.2671E+03	3.6081E-07	1.6095E+18	4.6883E+13
Xe-133	1.3156E+05	7.0284E-04	3.1824E+21	4.8676E+15
Xe-135	4.7115E+04	1.8450E-05	8.2301E+19	1.7433E+15
Cs-134	3.1870E+00	2.4632E-06	1.1070E+19	1.1792E+11
Cs-136	8.8672E-01	1.2099E-08	5.3573E+16	3.2809E+10
Cs-137	1.5658E+00	1.8002E-05	7.9130E+19	5.7935E+10

Environment Transport Group Inventory:

Time (h) = 0.3500	Total Release	Release Rate/s
Noble gases (atoms)	1.6747E+23	1.3291E+20
Elemental I (atoms)	3.2131E+19	2.5501E+16
Organic I (atoms)	9.9375E+17	7.8869E+14
Aerosols (kg)	2.0477E-05	1.6252E-08
Dose Effective (Ci) I-131 (Thyroid)		9.5619E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		1.2128E+03
Total I (Ci)		5.6193E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 0.3500 Leakage Transport

Noble gases (atoms)	3.9354E+19
Elemental I (atoms)	7.5346E+15
Organic I (atoms)	2.3303E+14
Aerosols (kg)	4.8121E-09

Normal Environment to Control Room Transport Group Inventory:

	Pathway	
Time (h) = 0.3500	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.6232E+18
Elemental I (atoms)	0.0000E+00	1.0809E+15
Organic I (atoms)	0.0000E+00	3.3430E+13
Aerosols (kg)	0.0000E+00	6.8758E-10

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.3500	Filtered	Transported
Noble gases (atoms)	1.8363E+18	0.0000E+00
Elemental I (atoms)	3.5196E+14	0.0000E+00
Organic I (atoms)	1.0885E+13	0.0000E+00

CRDA GAP MVP TRIP 10 MIN.00

Aerosols (kg) 2.2453E-10 0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.3500	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.3500	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	9.9711E+15
Kr-85m	3.1100E+03	3.7791E-03	2.6774E+22	1.4847E+17
Kr-87	4.8844E+03	1.7244E-07	1.1936E+18	2.5729E+17
Kr-88	7.6338E+03	6.0880E-07	4.1662E+18	3.8071E+17
Rb-86	5.4961E-03	6.7547E-11	4.7300E+14	2.6245E+11
I-131	1.2742E+02	1.0278E-06	4.7249E+18	6.0870E+15
I-132	1.6490E+02	1.5976E-08	7.2884E+16	8.3093E+15
I-133	2.5204E+02	2.2249E-07	1.0074E+18	1.2104E+16
I-134	2.1181E+02	7.9399E-09	3.5683E+16	1.1675E+16
I-135	2.3038E+02	6.5601E-08	2.9264E+17	1.1206E+16
Xe-133	2.4449E+04	1.3061E-04	5.9141E+20	1.1683E+18
Xe-135	8.6238E+03	3.3770E-06	1.5064E+19	4.1717E+17
Cs-134	5.9297E-01	4.5831E-07	2.0597E+18	2.8308E+13
Cs-136	1.6491E-01	2.2500E-09	9.9631E+15	7.8755E+12
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	1.3908E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.3500	Atmosphere	Sump	
Noble gases (atoms)	3.1158E+22	0.0000E+00	
Elemental I (atoms)	5.9495E+18	0.0000E+00	
Organic I (atoms)	1.8401E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.9870E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.5059E-06
Total I (Ci)			9.8656E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.3500	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.3500	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.3600

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.3600	whole Body	Thyroid	TEDE

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Delta dose (rem)	1.7308E-04	2.5505E-03	2.5400E-04
Accumulated dose (rem)	1.8592E+00	2.5286E+01	2.6628E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	0.3600	whole Body	Thyroid	TEDE
Delta dose (rem)		4.1638E-05	6.1359E-04	6.1105E-05
Accumulated dose (rem)		8.3234E-01	1.1320E+01	1.1921E+00

Control Room Doses:

Time (h) =	0.3600	whole Body	Thyroid	TEDE
Delta dose (rem)		2.1388E-04	6.5096E-02	2.2792E-03
Accumulated dose (rem)		7.3887E-03	2.1473E+00	7.5580E-02

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	0.3600	Ci	kg	Atoms	Decay
Kr-85		3.4539E+03	8.8033E-03	6.2370E+22	1.7194E+17
Kr-85m		5.1428E+04	6.2492E-02	4.4274E+23	2.5602E+18
Kr-87		8.0331E+04	2.8360E-06	1.9631E+19	4.4299E+18
Kr-88		1.2593E+05	1.0043E-05	6.8726E+19	6.5602E+18
Rb-86		9.0884E-02	1.1170E-09	7.8215E+15	4.5257E+12
I-131		2.1070E+03	1.6996E-05	7.8130E+19	1.0496E+17
I-132		2.7187E+03	2.6338E-07	1.2016E+18	1.4316E+17
I-133		4.1664E+03	3.6779E-06	1.6653E+19	2.0869E+17
I-134		3.4750E+03	1.3026E-07	5.8542E+17	2.0089E+17
I-135		3.8057E+03	1.0837E-06	4.8341E+18	1.9317E+17
Xe-133		4.0427E+05	2.1598E-03	9.7792E+21	2.0145E+19
Xe-135		1.4250E+05	5.5801E-05	2.4892E+20	7.1920E+18
Cs-134		9.8055E+00	7.5787E-06	3.4060E+19	4.8814E+14
Cs-136		2.7269E+00	3.7206E-08	1.6475E+17	1.3580E+14
Cs-137		4.8177E+00	5.5387E-05	2.4347E+20	2.3983E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	0.3600	Atmosphere	Sump
Noble gases (atoms)		5.1523E+23	0.0000E+00
Elemental I (atoms)		9.8362E+19	0.0000E+00
Organic I (atoms)		3.0421E+18	0.0000E+00
Aerosols (kg)		6.3004E-05	0.0000E+00
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.8815E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.3723E-06
Total I (Ci)			1.6273E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.3600 Leakage Transport

Noble gases (atoms)	4.1500E+19
Elemental I (atoms)	7.9445E+15
Organic I (atoms)	2.4571E+14
Aerosols (kg)	5.0747E-09

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	0.3600	Pathway	
		Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18
Aerosols (kg)		0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

CRDA GAP MVP TRIP 10 MIN.o0

Time (h) = 0.3600	Ci	kg	Atoms	Bq
Kr-85	1.1226E+03	2.8613E-03	2.0272E+22	4.1535E+13
Kr-85m	1.6715E+04	2.0311E-02	1.4390E+23	6.1846E+14
Kr-87	2.9601E+04	1.0450E-06	7.2338E+18	1.0953E+15
Kr-88	4.3294E+04	3.4527E-06	2.3628E+19	1.6019E+15
Rb-86	2.9550E-02	3.6316E-10	2.5430E+15	1.0933E+09
I-131	6.8539E+02	5.5285E-06	2.5415E+19	2.5359E+13
I-132	9.4709E+02	9.1753E-08	4.1860E+17	3.5042E+13
I-133	1.3646E+03	1.2046E-06	5.4543E+18	5.0490E+13
I-134	1.3552E+03	5.0800E-08	2.2830E+17	5.0141E+13
I-135	1.2671E+03	3.6081E-07	1.6095E+18	4.6884E+13
Xe-133	1.3156E+05	7.0284E-04	3.1824E+21	4.8677E+15
Xe-135	4.7116E+04	1.8450E-05	8.2302E+19	1.7433E+15
Cs-134	3.1870E+00	2.4632E-06	1.1070E+19	1.1792E+11
Cs-136	8.8673E-01	1.2099E-08	5.3574E+16	3.2809E+10
Cs-137	1.5658E+00	1.8002E-05	7.9131E+19	5.7936E+10

Environment Transport Group Inventory:

Time (h) = 0.3600	Total Release	Release Rate/s	
Noble gases (atoms)	1.6747E+23	1.2922E+20	
Elemental I (atoms)	3.2132E+19	2.4793E+16	
Organic I (atoms)	9.9376E+17	7.6679E+14	
Aerosols (kg)	2.0478E-05	1.5801E-08	
Dose Effective (Ci) I-131 (Thyroid)			9.5620E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2128E+03
Total I (Ci)			5.6194E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 0.3600 Leakage Transport

Noble gases (atoms)	4.1500E+19
Elemental I (atoms)	7.9445E+15
Organic I (atoms)	2.4571E+14
Aerosols (kg)	5.0747E-09

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 0.3600	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.6294E+18
Elemental I (atoms)	0.0000E+00	1.0821E+15
Organic I (atoms)	0.0000E+00	3.3466E+13
Aerosols (kg)	0.0000E+00	6.8834E-10

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 0.3600	Pathway Filtered	Transported
Noble gases (atoms)	1.8960E+18	0.0000E+00
Elemental I (atoms)	3.6337E+14	0.0000E+00
Organic I (atoms)	1.1238E+13	0.0000E+00
Aerosols (kg)	2.3184E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.3600	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

CRDA GAP MVP TRIP 10 MIN.00

MVP Holdup Compartment Nuclide Inventory:

Time (h) =	Ci	kg	Atoms	Decay
0.3600				
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	1.0249E+16
Kr-85m	3.1100E+03	3.7791E-03	2.6774E+22	1.5261E+17
Kr-87	4.8579E+03	1.7150E-07	1.1871E+18	2.6378E+17
Kr-88	7.6152E+03	6.0731E-07	4.1560E+18	3.9086E+17
Rb-86	5.4960E-03	6.7546E-11	4.7299E+14	2.6977E+11
I-131	1.2742E+02	1.0278E-06	4.7247E+18	6.2567E+15
I-132	1.6441E+02	1.5928E-08	7.2665E+16	8.5287E+15
I-133	2.5196E+02	2.2242E-07	1.0071E+18	1.2439E+16
I-134	2.1014E+02	7.8774E-09	3.5402E+16	1.1956E+16
I-135	2.3014E+02	6.5533E-08	2.9233E+17	1.1513E+16
Xe-133	2.4447E+04	1.3061E-04	5.9138E+20	1.2009E+18
Xe-135	8.6174E+03	3.3744E-06	1.5053E+19	4.2865E+17
Cs-134	5.9297E-01	4.5831E-07	2.0597E+18	2.9098E+13
Cs-136	1.6490E-01	2.2500E-09	9.9629E+15	8.0952E+12
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	1.4296E+13

MVP Holdup Transport Group Inventory:

Time (h) =	Atmosphere	Sump
0.3600		
Noble gases (atoms)	3.1158E+22	0.0000E+00
Elemental I (atoms)	5.9483E+18	0.0000E+00
Organic I (atoms)	1.8397E+17	0.0000E+00
Aerosols (kg)	3.8100E-06	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.9867E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		2.5048E-06
Total I (Ci)		9.8406E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	Pathway	
	Filtered	Transported
0.3600		
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) =	Pathway	
	Filtered	Transported
0.3600		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.3700

CRDA @ EAB - Condenser Release Doses:

Time (h) =	Whole Body	Thyroid	TEDE
0.3700			
Delta dose (rem)	1.7260E-04	2.5501E-03	2.5350E-04
Accumulated dose (rem)	1.8594E+00	2.5288E+01	2.6630E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	Whole Body	Thyroid	TEDE
0.3700			
Delta dose (rem)	4.1522E-05	6.1349E-04	6.0985E-05
Accumulated dose (rem)	8.3239E-01	1.1320E+01	1.1922E+00

Control Room Doses:

CRDA GAP MVP TRIP 10 MIN.o0

Time (h) = 0.3700	Whole Body	Thyroid	TEDE
Delta dose (rem)	2.1025E-04	6.4156E-02	2.2456E-03
Accumulated dose (rem)	7.5990E-03	2.2114E+00	7.7825E-02

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.3700	Ci	kg	Atoms	Decay
Kr-85	3.4538E+03	8.8033E-03	6.2370E+22	1.7654E+17
Kr-85m	5.1427E+04	6.2491E-02	4.4274E+23	2.6287E+18
Kr-87	7.9894E+04	2.8206E-06	1.9524E+19	4.5366E+18
Kr-88	1.2562E+05	1.0018E-05	6.8558E+19	6.7277E+18
Rb-86	9.0882E-02	1.1169E-09	7.8213E+15	4.6467E+12
I-131	2.1069E+03	1.6995E-05	7.8127E+19	1.0777E+17
I-132	2.7105E+03	2.6259E-07	1.1980E+18	1.4678E+17
I-133	4.1650E+03	3.6767E-06	1.6648E+19	2.1424E+17
I-134	3.4476E+03	1.2924E-07	5.8080E+17	2.0550E+17
I-135	3.8017E+03	1.0825E-06	4.8290E+18	1.9824E+17
Xe-133	4.0424E+05	2.1596E-03	9.7787E+21	2.0684E+19
Xe-135	1.4239E+05	5.5759E-05	2.4873E+20	7.3817E+18
Cs-134	9.8055E+00	7.5786E-06	3.4059E+19	5.0120E+14
Cs-136	2.7268E+00	3.7205E-08	1.6475E+17	1.3944E+14
Cs-137	4.8176E+00	5.5387E-05	2.4347E+20	2.4625E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 0.3700	Atmosphere	Sump	
Noble gases (atoms)	5.1523E+23	0.0000E+00	
Elemental I (atoms)	9.8341E+19	0.0000E+00	
Organic I (atoms)	3.0415E+18	0.0000E+00	
Aerosols (kg)	6.3004E-05	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.8812E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.3713E-06
Total I (Ci)			1.6232E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.3700 Leakage Transport

Noble gases (atoms)	4.3647E+19
Elemental I (atoms)	8.3544E+15
Organic I (atoms)	2.5838E+14
Aerosols (kg)	5.3372E-09

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.3700	Pathway	Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18
Aerosols (kg)		0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 0.3700	Ci	kg	Atoms	Bq
Kr-85	1.1226E+03	2.8613E-03	2.0272E+22	4.1536E+13
Kr-85m	1.6715E+04	2.0311E-02	1.4390E+23	6.1846E+14
Kr-87	2.9602E+04	1.0451E-06	7.2338E+18	1.0953E+15
Kr-88	4.3294E+04	3.4527E-06	2.3628E+19	1.6019E+15
Rb-86	2.9550E-02	3.6317E-10	2.5431E+15	1.0934E+09
I-131	6.8540E+02	5.5285E-06	2.5415E+19	2.5360E+13
I-132	9.4710E+02	9.1755E-08	4.1860E+17	3.5043E+13
I-133	1.3646E+03	1.2046E-06	5.4544E+18	5.0490E+13
I-134	1.3552E+03	5.0800E-08	2.2830E+17	5.0142E+13

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I-135	1.2671E+03	3.6082E-07	1.6096E+18	4.6884E+13
Xe-133	1.3156E+05	7.0285E-04	3.1825E+21	4.8678E+15
Xe-135	4.7117E+04	1.8450E-05	8.2303E+19	1.7433E+15
Cs-134	3.1871E+00	2.4633E-06	1.1070E+19	1.1792E+11
Cs-136	8.8674E-01	1.2099E-08	5.3575E+16	3.2810E+10
Cs-137	1.5659E+00	1.8002E-05	7.9132E+19	5.7937E+10

Environment Transport Group Inventory:

	Total Release	Release Rate/s	
Time (h) = 0.3700			
Noble gases (atoms)	1.6747E+23	1.2573E+20	
Elemental I (atoms)	3.2132E+19	2.4123E+16	
Organic I (atoms)	9.9378E+17	7.4608E+14	
Aerosols (kg)	2.0478E-05	1.5374E-08	
Dose Effective (Ci) I-131 (Thyroid)			9.5621E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2128E+03
Total I (Ci)			5.6194E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.3700 Leakage Transport

Noble gases (atoms)	4.3647E+19
Elemental I (atoms)	8.3544E+15
Organic I (atoms)	2.5838E+14
Aerosols (kg)	5.3372E-09

Normal Environment to Control Room Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 0.3700		
Noble gases (atoms)	0.0000E+00	5.6357E+18
Elemental I (atoms)	0.0000E+00	1.0833E+15
Organic I (atoms)	0.0000E+00	3.3503E+13
Aerosols (kg)	0.0000E+00	6.8910E-10

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 0.3700		
Noble gases (atoms)	1.9549E+18	0.0000E+00
Elemental I (atoms)	3.7462E+14	0.0000E+00
Organic I (atoms)	1.1586E+13	0.0000E+00
Aerosols (kg)	2.3905E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 0.3700		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.3700	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	1.0527E+16
Kr-85m	3.1100E+03	3.7791E-03	2.6774E+22	1.5675E+17
Kr-87	4.8315E+03	1.7057E-07	1.1807E+18	2.7023E+17
Kr-88	7.5967E+03	6.0583E-07	4.1459E+18	4.0099E+17
Rb-86	5.4960E-03	6.7545E-11	4.7298E+14	2.7709E+11
I-131	1.2741E+02	1.0277E-06	4.7246E+18	6.4264E+15

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I-132	1.6391E+02	1.5880E-08	7.2446E+16	8.7473E+15
I-133	2.5187E+02	2.2234E-07	1.0067E+18	1.2775E+16
I-134	2.0849E+02	7.8153E-09	3.5123E+16	1.2234E+16
I-135	2.2990E+02	6.5464E-08	2.9202E+17	1.1819E+16
Xe-133	2.4446E+04	1.3060E-04	5.9135E+20	1.2334E+18
Xe-135	8.6110E+03	3.3719E-06	1.5042E+19	4.4012E+17
Cs-134	5.9297E-01	4.5831E-07	2.0597E+18	2.9888E+13
Cs-136	1.6490E-01	2.2499E-09	9.9627E+15	8.3148E+12
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	1.4684E+13

MVP Holdup Transport Group Inventory:

Time (h) =	0.3700	Atmosphere	Sump	
Noble gases (atoms)	3.1158E+22	0.0000E+00		
Elemental I (atoms)	5.9470E+18	0.0000E+00		
Organic I (atoms)	1.8393E+17	0.0000E+00		
Aerosols (kg)	3.8100E-06	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)			1.9863E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)			2.5038E-06
Total I (Ci)				9.8158E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

		Pathway	
Time (h) =	0.3700	Filtered	Transported
Noble gases (atoms)	0.0000E+00	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

		Pathway	
Time (h) =	0.3700	Filtered	Transported
Noble gases (atoms)	0.0000E+00	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.3800

CRDA @ EAB - Condenser Release Doses:

Time (h) =	0.3800	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.7212E-04	2.5497E-03	2.5300E-04	
Accumulated dose (rem)	1.8595E+00	2.5291E+01	2.6633E+00	

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	0.3800	Whole Body	Thyroid	TEDE
Delta dose (rem)	4.1408E-05	6.1338E-04	6.0866E-05	
Accumulated dose (rem)	8.3243E-01	1.1321E+01	1.1922E+00	

Control Room Doses:

Time (h) =	0.3800	Whole Body	Thyroid	TEDE
Delta dose (rem)	2.0668E-04	6.3231E-02	2.2126E-03	
Accumulated dose (rem)	7.8056E-03	2.2747E+00	8.0038E-02	

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	0.3800	Ci	kg	Atoms	Decay
Kr-85		3.4538E+03	8.8033E-03	6.2370E+22	1.8114E+17
Kr-85m		5.1427E+04	6.2491E-02	4.4274E+23	2.6972E+18

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Kr-87	7.9459E+04	2.8052E-06	1.9418E+19	4.6428E+18
Kr-88	1.2531E+05	9.9937E-06	6.8390E+19	6.8949E+18
Rb-86	9.0881E-02	1.1169E-09	7.8212E+15	4.7678E+12
I-131	2.1069E+03	1.6994E-05	7.8123E+19	1.1057E+17
I-132	2.7023E+03	2.6180E-07	1.1944E+18	1.5038E+17
I-133	4.1636E+03	3.6755E-06	1.6642E+19	2.1979E+17
I-134	3.4204E+03	1.2822E-07	5.7623E+17	2.1007E+17
I-135	3.7977E+03	1.0814E-06	4.8239E+18	2.0330E+17
Xe-133	4.0422E+05	2.1595E-03	9.7781E+21	2.1222E+19
Xe-135	1.4229E+05	5.5717E-05	2.4855E+20	7.5713E+18
Cs-134	9.8054E+00	7.5786E-06	3.4059E+19	5.1426E+14
Cs-136	2.7267E+00	3.7204E-08	1.6474E+17	1.4307E+14
Cs-137	4.8176E+00	5.5387E-05	2.4346E+20	2.5267E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	0.3800	Atmosphere	Sump	
Noble gases (atoms)	5.1523E+23	0.0000E+00		
Elemental I (atoms)	9.8319E+19	0.0000E+00		
Organic I (atoms)	3.0408E+18	0.0000E+00		
Aerosols (kg)	6.3004E-05	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.8809E-06	
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.3703E-06	
Total I (Ci)			1.6191E+04	

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.3800 Leakage Transport

Noble gases (atoms)	4.5794E+19
Elemental I (atoms)	8.7641E+15
Organic I (atoms)	2.7105E+14
Aerosols (kg)	5.5997E-09

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) =	0.3800	Filtered Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) =	0.3800	Ci	kg	Atoms	Bq
Kr-85		1.1226E+03	2.8613E-03	2.0272E+22	4.1536E+13
Kr-85m		1.6715E+04	2.0312E-02	1.4390E+23	6.1847E+14
Kr-87		2.9602E+04	1.0451E-06	7.2339E+18	1.0953E+15
Kr-88		4.3295E+04	3.4528E-06	2.3628E+19	1.6019E+15
Rb-86		2.9550E-02	3.6317E-10	2.5431E+15	1.0934E+09
I-131		6.8541E+02	5.5286E-06	2.5415E+19	2.5360E+13
I-132		9.4712E+02	9.1756E-08	4.1861E+17	3.5043E+13
I-133		1.3646E+03	1.2046E-06	5.4545E+18	5.0491E+13
I-134		1.3552E+03	5.0801E-08	2.2831E+17	5.0142E+13
I-135		1.2672E+03	3.6082E-07	1.6096E+18	4.6885E+13
Xe-133		1.3156E+05	7.0286E-04	3.1825E+21	4.8678E+15
Xe-135		4.7117E+04	1.8450E-05	8.2304E+19	1.7433E+15
Cs-134		3.1871E+00	2.4633E-06	1.1070E+19	1.1792E+11
Cs-136		8.8676E-01	1.2099E-08	5.3575E+16	3.2810E+10
Cs-137		1.5659E+00	1.8002E-05	7.9133E+19	5.7937E+10

Environment Transport Group Inventory:

Total Release
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Time (h) = 0.3800	Release	Rate/s	
Noble gases (atoms)	1.6747E+23	1.2242E+20	
Elemental I (atoms)	3.2133E+19	2.3489E+16	
Organic I (atoms)	9.9379E+17	7.2645E+14	
Aerosols (kg)	2.0478E-05	1.4969E-08	
Dose Effective (Ci) I-131 (Thyroid)			9.5623E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2129E+03
Total I (Ci)			5.6195E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 0.3800 Leakage Transport

Noble gases (atoms)	4.5794E+19
Elemental I (atoms)	8.7641E+15
Organic I (atoms)	2.7105E+14
Aerosols (kg)	5.5997E-09

Normal Environment to Control Room Transport Group Inventory:

	Pathway	
Time (h) = 0.3800	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.6419E+18
Elemental I (atoms)	0.0000E+00	1.0845E+15
Organic I (atoms)	0.0000E+00	3.3540E+13
Aerosols (kg)	0.0000E+00	6.8986E-10

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.3800	Filtered	Transported
Noble gases (atoms)	2.0130E+18	0.0000E+00
Elemental I (atoms)	3.8571E+14	0.0000E+00
Organic I (atoms)	1.1929E+13	0.0000E+00
Aerosols (kg)	2.4615E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.3800	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.3800	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	1.0806E+16
Kr-85m	3.1100E+03	3.7791E-03	2.6774E+22	1.6090E+17
Kr-87	4.8052E+03	1.6964E-07	1.1743E+18	2.7665E+17
Kr-88	7.5782E+03	6.0436E-07	4.1358E+18	4.1110E+17
Rb-86	5.4959E-03	6.7544E-11	4.7297E+14	2.8441E+11
I-131	1.2741E+02	1.0277E-06	4.7244E+18	6.5961E+15
I-132	1.6342E+02	1.5832E-08	7.2228E+16	8.9653E+15
I-133	2.5179E+02	2.2227E-07	1.0064E+18	1.3110E+16
I-134	2.0685E+02	7.7538E-09	3.4847E+16	1.2511E+16
I-135	2.2966E+02	6.5395E-08	2.9172E+17	1.2125E+16
Xe-133	2.4445E+04	1.3059E-04	5.9131E+20	1.2660E+18
Xe-135	8.6046E+03	3.3694E-06	1.5030E+19	4.5159E+17
Cs-134	5.9297E-01	4.5831E-07	2.0597E+18	3.0678E+13
Cs-136	1.6489E-01	2.2499E-09	9.9625E+15	8.5345E+12
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	1.5072E+13

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MVP Holdup Transport Group Inventory:

Time (h) =	0.3800	Atmosphere	Sump	
Noble gases (atoms)	3.1157E+22	0.0000E+00		
Elemental I (atoms)	5.9457E+18	0.0000E+00		
Organic I (atoms)	1.8389E+17	0.0000E+00		
Aerosols (kg)	3.8100E-06	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)			1.9860E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)			2.5027E-06
Total I (Ci)				9.7912E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

		Pathway	
Time (h) =	0.3800	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23	
Elemental I (atoms)	0.0000E+00	3.8180E+19	
Organic I (atoms)	0.0000E+00	1.1808E+18	
Aerosols (kg)	0.0000E+00	2.4281E-05	

MVP Holdup to Environment Transport Group Inventory:

		Pathway	
Time (h) =	0.3800	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23	
Elemental I (atoms)	0.0000E+00	3.6947E+19	
Organic I (atoms)	0.0000E+00	1.1427E+18	
Aerosols (kg)	0.0000E+00	2.3498E-05	

Detailed model information at time (H) = 0.3900

CRDA @ EAB - Condenser Release Doses:

Time (h) =	0.3900	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.7165E-04	2.5492E-03	2.5251E-04	
Accumulated dose (rem)	1.8597E+00	2.5294E+01	2.6635E+00	

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	0.3900	Whole Body	Thyroid	TEDE
Delta dose (rem)	4.1293E-05	6.1327E-04	6.0748E-05	
Accumulated dose (rem)	8.3247E-01	1.1322E+01	1.1923E+00	

Control Room Doses:

Time (h) =	0.3900	Whole Body	Thyroid	TEDE
Delta dose (rem)	2.0318E-04	6.2320E-02	2.1801E-03	
Accumulated dose (rem)	8.0088E-03	2.3370E+00	8.2218E-02	

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	0.3900	Ci	kg	Atoms	Decay
Kr-85		3.4538E+03	8.8032E-03	6.2370E+22	1.8574E+17
Kr-85m		5.1427E+04	6.2491E-02	4.4274E+23	2.7657E+18
Kr-87		7.9027E+04	2.7900E-06	1.9312E+19	4.7483E+18
Kr-88		1.2501E+05	9.9693E-06	6.8223E+19	7.0616E+18
Rb-86		9.0879E-02	1.1169E-09	7.8210E+15	4.8888E+12
I-131		2.1068E+03	1.6994E-05	7.8120E+19	1.1338E+17
I-132		2.6942E+03	2.6101E-07	1.1908E+18	1.5398E+17
I-133		4.1622E+03	3.6742E-06	1.6637E+19	2.2533E+17
I-134		3.3935E+03	1.2721E-07	5.7169E+17	2.1461E+17
I-135		3.7937E+03	1.0802E-06	4.8188E+18	2.0836E+17
Xe-133		4.0420E+05	2.1594E-03	9.7775E+21	2.1761E+19
Xe-135		1.4218E+05	5.5675E-05	2.4836E+20	7.7608E+18

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Cs-134	9.8054E+00	7.5786E-06	3.4059E+19	5.2732E+14
Cs-136	2.7267E+00	3.7203E-08	1.6474E+17	1.4670E+14
Cs-137	4.8176E+00	5.5386E-05	2.4346E+20	2.5908E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	0.3900	Atmosphere	Sump	
Noble gases (atoms)	5.1522E+23	0.0000E+00		
Elemental I (atoms)	9.8298E+19	0.0000E+00		
Organic I (atoms)	3.0401E+18	0.0000E+00		
Aerosols (kg)	6.3003E-05	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)			1.8806E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)			2.3693E-06
Total I (Ci)				1.6150E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.3900 Leakage Transport

Noble gases (atoms)	4.7941E+19
Elemental I (atoms)	9.1738E+15
Organic I (atoms)	2.8372E+14
Aerosols (kg)	5.8622E-09

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	0.3900	Pathway	
		Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23	
Elemental I (atoms)	0.0000E+00	3.8180E+19	
Organic I (atoms)	0.0000E+00	1.1808E+18	
Aerosols (kg)	0.0000E+00	2.4281E-05	

Environment Integral Nuclide Release:

Time (h) =	0.3900	Ci	kg	Atoms	Bq
Kr-85		1.1226E+03	2.8614E-03	2.0272E+22	4.1537E+13
Kr-85m		1.6716E+04	2.0312E-02	1.4391E+23	6.1848E+14
Kr-87		2.9602E+04	1.0451E-06	7.2340E+18	1.0953E+15
Kr-88		4.3295E+04	3.4528E-06	2.3629E+19	1.6019E+15
Rb-86		2.9551E-02	3.6318E-10	2.5431E+15	1.0934E+09
I-131		6.8542E+02	5.5287E-06	2.5416E+19	2.5360E+13
I-132		9.4713E+02	9.1757E-08	4.1861E+17	3.5044E+13
I-133		1.3646E+03	1.2046E-06	5.4546E+18	5.0492E+13
I-134		1.3552E+03	5.0801E-08	2.2831E+17	5.0143E+13
I-135		1.2672E+03	3.6083E-07	1.6096E+18	4.6885E+13
Xe-133		1.3156E+05	7.0287E-04	3.1825E+21	4.8679E+15
Xe-135		4.7118E+04	1.8451E-05	8.2305E+19	1.7434E+15
Cs-134		3.1871E+00	2.4633E-06	1.1071E+19	1.1792E+11
Cs-136		8.8677E-01	1.2099E-08	5.3576E+16	3.2810E+10
Cs-137		1.5659E+00	1.8003E-05	7.9134E+19	5.7938E+10

Environment Transport Group Inventory:

Time (h) =	0.3900	Total Release	Release Rate/s	
Noble gases (atoms)		1.6747E+23	1.1928E+20	
Elemental I (atoms)		3.2133E+19	2.2887E+16	
Organic I (atoms)		9.9380E+17	7.0784E+14	
Aerosols (kg)		2.0478E-05	1.4586E-08	
Dose Effective (Ci)	I-131 (Thyroid)			9.5624E+02
Dose Effective (Ci)	I-131 (ICRP2 Thyroid)			1.2129E+03
Total I (Ci)				5.6196E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

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Time (h) = 0.3900 Leakage Transport

Noble gases (atoms)	4.7941E+19
Elemental I (atoms)	9.1738E+15
Organic I (atoms)	2.8372E+14
Aerosols (kg)	5.8622E-09

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 0.3900	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.6481E+18
Elemental I (atoms)	0.0000E+00	1.0856E+15
Organic I (atoms)	0.0000E+00	3.3576E+13
Aerosols (kg)	0.0000E+00	6.9062E-10

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 0.3900	Pathway	
	Filtered	Transported
Noble gases (atoms)	2.0703E+18	0.0000E+00
Elemental I (atoms)	3.9663E+14	0.0000E+00
Organic I (atoms)	1.2267E+13	0.0000E+00
Aerosols (kg)	2.5315E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.3900	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.3900	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	1.1084E+16
Kr-85m	3.1100E+03	3.7791E-03	2.6774E+22	1.6504E+17
Kr-87	4.7791E+03	1.6872E-07	1.1679E+18	2.8303E+17
Kr-88	7.5597E+03	6.0288E-07	4.1257E+18	4.2118E+17
Rb-86	5.4958E+03	6.7543E-11	4.7297E+14	2.9174E+11
I-131	1.2740E+02	1.0277E-06	4.7242E+18	6.7658E+15
I-132	1.6293E+02	1.5784E-08	7.2011E+16	9.1827E+15
I-133	2.5170E+02	2.2219E-07	1.0061E+18	1.3446E+16
I-134	2.0522E+02	7.6927E-09	3.4572E+16	1.2786E+16
I-135	2.2942E+02	6.5327E-08	2.9141E+17	1.2431E+16
Xe-133	2.4443E+04	1.3059E-04	5.9128E+20	1.2985E+18
Xe-135	8.5982E+03	3.3669E-06	1.5019E+19	4.6305E+17
Cs-134	5.9297E-01	4.5831E-07	2.0597E+18	3.1467E+13
Cs-136	1.6489E-01	2.2498E-09	9.9623E+15	8.7541E+12
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	1.5461E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.3900	Atmosphere	Sump	
Noble gases (atoms)	3.1157E+22	0.0000E+00	
Elemental I (atoms)	5.9445E+18	0.0000E+00	
Organic I (atoms)	1.8385E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.9857E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.5017E-06
Total I (Ci)			9.7667E+02

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DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.3900	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.3900	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.4000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.4000	whole Body	Thyroid	TEDE
Delta dose (rem)	1.7117E-04	2.5488E-03	2.5202E-04
Accumulated dose (rem)	1.8599E+00	2.5296E+01	2.6638E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.4000	whole Body	Thyroid	TEDE
Delta dose (rem)	4.1180E-05	6.1317E-04	6.0629E-05
Accumulated dose (rem)	8.3251E-01	1.1322E+01	1.1923E+00

Control Room Doses:

Time (h) = 0.4000	whole Body	Thyroid	TEDE
Delta dose (rem)	1.9974E-04	6.1425E-02	2.1482E-03
Accumulated dose (rem)	8.2085E-03	2.3984E+00	8.4366E-02

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.4000	Ci	kg	Atoms	Decay
Kr-85	3.4538E+03	8.8032E-03	6.2369E+22	1.9034E+17
Kr-85m	5.1427E+04	6.2491E-02	4.4274E+23	2.8342E+18
Kr-87	7.8597E+04	2.7748E-06	1.9207E+19	4.8533E+18
Kr-88	1.2470E+05	9.9450E-06	6.8057E+19	7.2279E+18
Rb-86	9.0877E-02	1.1169E-09	7.8209E+15	5.0099E+12
I-131	2.1067E+03	1.6993E-05	7.8117E+19	1.1619E+17
I-132	2.6861E+03	2.6022E-07	1.1872E+18	1.5756E+17
I-133	4.1608E+03	3.6730E-06	1.6631E+19	2.3088E+17
I-134	3.3667E+03	1.2621E-07	5.6718E+17	2.1911E+17
I-135	3.7897E+03	1.0791E-06	4.8138E+18	2.1341E+17
Xe-133	4.0417E+05	2.1593E-03	9.7769E+21	2.2299E+19
Xe-135	1.4207E+05	5.5634E-05	2.4817E+20	7.9501E+18
Cs-134	9.8053E+00	7.5785E-06	3.4059E+19	5.4038E+14
Cs-136	2.7266E+00	3.7202E-08	1.6473E+17	1.5033E+14
Cs-137	4.8176E+00	5.5386E-05	2.4346E+20	2.6550E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 0.4000	Atmosphere	Sump
Noble gases (atoms)	5.1522E+23	0.0000E+00
Elemental I (atoms)	9.8277E+19	0.0000E+00
Organic I (atoms)	3.0395E+18	0.0000E+00
Aerosols (kg)	6.3003E-05	0.0000E+00

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Dose Effective (Ci/cc) I-131 (Thyroid) 1.8802E-06
 Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid) 2.3683E-06
 Total I (Ci) 1.6110E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 0.4000 Leakage Transport

Noble gases (atoms) 5.0087E+19
 Elemental I (atoms) 9.5833E+15
 Organic I (atoms) 2.9639E+14
 Aerosols (kg) 6.1247E-09

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 0.4000		
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 0.4000	Ci	kg	Atoms	Bq
Kr-85	1.1226E+03	2.8614E-03	2.0273E+22	4.1537E+13
Kr-85m	1.6716E+04	2.0312E-02	1.4391E+23	6.1849E+14
Kr-87	2.9603E+04	1.0451E-06	7.2341E+18	1.0953E+15
Kr-88	4.3296E+04	3.4528E-06	2.3629E+19	1.6019E+15
Rb-86	2.9551E-02	3.6318E-10	2.5432E+15	1.0934E+09
I-131	6.8543E+02	5.5288E-06	2.5416E+19	2.5361E+13
I-132	9.4714E+02	9.1758E-08	4.1862E+17	3.5044E+13
I-133	1.3647E+03	1.2047E-06	5.4546E+18	5.0492E+13
I-134	1.3552E+03	5.0802E-08	2.2831E+17	5.0143E+13
I-135	1.2672E+03	3.6083E-07	1.6096E+18	4.6886E+13
Xe-133	1.3157E+05	7.0288E-04	3.1826E+21	4.8680E+15
Xe-135	4.7118E+04	1.8451E-05	8.2306E+19	1.7434E+15
Cs-134	3.1872E+00	2.4634E-06	1.1071E+19	1.1793E+11
Cs-136	8.8678E-01	1.2099E-08	5.3577E+16	3.2811E+10
Cs-137	1.5659E+00	1.8003E-05	7.9135E+19	5.7939E+10

Environment Transport Group Inventory:

Time (h) = 0.4000	Total Release	Release Rate/s	
Noble gases (atoms)	1.6748E+23	1.1630E+20	
Elemental I (atoms)	3.2133E+19	2.2315E+16	
Organic I (atoms)	9.9381E+17	6.9015E+14	
Aerosols (kg)	2.0479E-05	1.4221E-08	
Dose Effective (Ci) I-131 (Thyroid)			9.5625E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2129E+03
Total I (Ci)			5.6196E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 0.4000 Leakage Transport

Noble gases (atoms) 5.0087E+19
 Elemental I (atoms) 9.5833E+15
 Organic I (atoms) 2.9639E+14
 Aerosols (kg) 6.1247E-09

Normal Environment to Control Room Transport Group Inventory:

Pathway

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Time (h) = 0.4000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.6543E+18
Elemental I (atoms)	0.0000E+00	1.0868E+15
Organic I (atoms)	0.0000E+00	3.3613E+13
Aerosols (kg)	0.0000E+00	6.9139E-10

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.4000	Filtered	Transported
Noble gases (atoms)	2.1267E+18	0.0000E+00
Elemental I (atoms)	4.0740E+14	0.0000E+00
Organic I (atoms)	1.2600E+13	0.0000E+00
Aerosols (kg)	2.6005E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.4000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.4000	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	1.1362E+16
Kr-85m	3.1100E+03	3.7791E-03	2.6774E+22	1.6918E+17
Kr-87	4.7531E+03	1.6780E-07	1.1615E+18	2.8938E+17
Kr-88	7.5413E+03	6.0141E-07	4.1157E+18	4.3124E+17
Rb-86	5.4957E-03	6.7542E-11	4.7296E+14	2.9906E+11
I-131	1.2740E+02	1.0276E-06	4.7241E+18	6.9355E+15
I-132	1.6244E+02	1.5737E-08	7.1794E+16	9.3994E+15
I-133	2.5162E+02	2.2212E-07	1.0057E+18	1.3781E+16
I-134	2.0360E+02	7.6321E-09	3.4300E+16	1.3058E+16
I-135	2.2918E+02	6.5258E-08	2.9111E+17	1.2736E+16
Xe-133	2.4442E+04	1.3058E-04	5.9125E+20	1.3311E+18
Xe-135	8.5918E+03	3.3644E-06	1.5008E+19	4.7449E+17
Cs-134	5.9297E-01	4.5830E-07	2.0597E+18	3.2257E+13
Cs-136	1.6489E-01	2.2498E-09	9.9620E+15	8.9738E+12
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	1.5849E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.4000	Atmosphere	Sump	
Noble gases (atoms)	3.1157E+22	0.0000E+00	
Elemental I (atoms)	5.9432E+18	0.0000E+00	
Organic I (atoms)	1.8381E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.9853E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.5007E-06
Total I (Ci)			9.7423E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 0.4000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

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	Pathway	
Time (h) = 0.4000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.4100

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.4100	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.7070E-04	2.5483E-03	2.5153E-04
Accumulated dose (rem)	1.8600E+00	2.5299E+01	2.6640E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.4100	Whole Body	Thyroid	TEDE
Delta dose (rem)	4.1066E-05	6.1306E-04	6.0512E-05
Accumulated dose (rem)	8.3255E-01	1.1323E+01	1.1924E+00

Control Room Doses:

Time (h) = 0.4100	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.9636E-04	6.0544E-02	2.1167E-03
Accumulated dose (rem)	8.4049E-03	2.4589E+00	8.6483E-02

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.4100	Ci	kg	Atoms	Decay
Kr-85	3.4538E+03	8.8031E-03	6.2369E+22	1.9494E+17
Kr-85m	5.1427E+04	6.2490E-02	4.4274E+23	2.9027E+18
Kr-87	7.8170E+04	2.7597E-06	1.9102E+19	4.9577E+18
Kr-88	1.2440E+05	9.9207E-06	6.7891E+19	7.3938E+18
Rb-86	9.0875E-02	1.1169E-09	7.8207E+15	5.1309E+12
I-131	2.1066E+03	1.6992E-05	7.8114E+19	1.1899E+17
I-132	2.6780E+03	2.5944E-07	1.1836E+18	1.6113E+17
I-133	4.1594E+03	3.6717E-06	1.6625E+19	2.3642E+17
I-134	3.3402E+03	1.2521E-07	5.6271E+17	2.2358E+17
I-135	3.7857E+03	1.0780E-06	4.8087E+18	2.1845E+17
Xe-133	4.0415E+05	2.1591E-03	9.7764E+21	2.2837E+19
Xe-135	1.4197E+05	5.5592E-05	2.4799E+20	8.1393E+18
Cs-134	9.8053E+00	7.5785E-06	3.4059E+19	5.5344E+14
Cs-136	2.7265E+00	3.7201E-08	1.6473E+17	1.5396E+14
Cs-137	4.8176E+00	5.5386E-05	2.4346E+20	2.7192E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 0.4100	Atmosphere	Sump	
Noble gases (atoms)	5.1522E+23	0.0000E+00	
Elemental I (atoms)	9.8256E+19	0.0000E+00	
Organic I (atoms)	3.0388E+18	0.0000E+00	
Aerosols (kg)	6.3003E-05	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.8799E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.3673E-06
Total I (Ci)			1.6070E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.4100 Leakage Transport

Noble gases (atoms)	5.2234E+19
Elemental I (atoms)	9.9928E+15
Organic I (atoms)	3.0906E+14

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6.3872E-09

Aerosols (kg)

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.4100	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 0.4100	Ci	kg	Atoms	Bq
Kr-85	1.1226E+03	2.8614E-03	2.0273E+22	4.1538E+13
Kr-85m	1.6716E+04	2.0312E-02	1.4391E+23	6.1850E+14
Kr-87	2.9603E+04	1.0451E-06	7.2342E+18	1.0953E+15
Kr-88	4.3296E+04	3.4529E-06	2.3629E+19	1.6020E+15
Rb-86	2.9552E-02	3.6319E-10	2.5432E+15	1.0934E+09
I-131	6.8544E+02	5.5288E-06	2.5416E+19	2.5361E+13
I-132	9.4715E+02	9.1759E-08	4.1862E+17	3.5044E+13
I-133	1.3647E+03	1.2047E-06	5.4547E+18	5.0493E+13
I-134	1.3552E+03	5.0802E-08	2.2831E+17	5.0144E+13
I-135	1.2672E+03	3.6084E-07	1.6096E+18	4.6887E+13
Xe-133	1.3157E+05	7.0289E-04	3.1826E+21	4.8680E+15
Xe-135	4.7119E+04	1.8451E-05	8.2307E+19	1.7434E+15
Cs-134	3.1872E+00	2.4634E-06	1.1071E+19	1.1793E+11
Cs-136	8.8679E-01	1.2100E-08	5.3577E+16	3.2811E+10
Cs-137	1.5659E+00	1.8003E-05	7.9136E+19	5.7940E+10

Environment Transport Group Inventory:

Time (h) = 0.4100	Total Release	Release Rate/s
Noble gases (atoms)	1.6748E+23	1.1347E+20
Elemental I (atoms)	3.2134E+19	2.1771E+16
Organic I (atoms)	9.9383E+17	6.7332E+14
Aerosols (kg)	2.0479E-05	1.3875E-08
Dose Effective (Ci) I-131 (Thyroid)		9.5626E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		1.2129E+03
Total I (Ci)		5.6197E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 0.4100 Leakage Transport

Noble gases (atoms)	5.2234E+19
Elemental I (atoms)	9.9928E+15
Organic I (atoms)	3.0906E+14
Aerosols (kg)	6.3872E-09

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 0.4100	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.6606E+18
Elemental I (atoms)	0.0000E+00	1.0880E+15
Organic I (atoms)	0.0000E+00	3.3650E+13
Aerosols (kg)	0.0000E+00	6.9215E-10

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 0.4100	Pathway	
	Filtered	Transported

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Noble gases (atoms)	2.1824E+18	0.0000E+00
Elemental I (atoms)	4.1801E+14	0.0000E+00
Organic I (atoms)	1.2928E+13	0.0000E+00
Aerosols (kg)	2.6686E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.4100	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.4100	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	1.1640E+16
Kr-85m	3.1100E+03	3.7791E-03	2.6774E+22	1.7332E+17
Kr-87	4.7273E+03	1.6689E-07	1.1552E+18	2.9569E+17
Kr-88	7.5229E+03	5.9995E-07	4.1056E+18	4.4127E+17
Rb-86	5.4956E-03	6.7541E-11	4.7295E+14	3.0638E+11
I-131	1.2740E+02	1.0276E-06	4.7239E+18	7.1052E+15
I-132	1.6195E+02	1.5689E-08	7.1578E+16	9.6154E+15
I-133	2.5154E+02	2.2205E-07	1.0054E+18	1.4116E+16
I-134	2.0200E+02	7.5720E-09	3.4030E+16	1.3328E+16
I-135	2.2894E+02	6.5190E-08	2.9080E+17	1.3041E+16
Xe-133	2.4441E+04	1.3057E-04	5.9122E+20	1.3636E+18
Xe-135	8.5854E+03	3.3619E-06	1.4997E+19	4.8593E+17
Cs-134	5.9297E-01	4.5830E-07	2.0597E+18	3.3047E+13
Cs-136	1.6488E-01	2.2497E-09	9.9618E+15	9.1934E+12
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	1.6237E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.4100	Atmosphere	Sump
Noble gases (atoms)	3.1157E+22	0.0000E+00
Elemental I (atoms)	5.9419E+18	0.0000E+00
Organic I (atoms)	1.8377E+17	0.0000E+00
Aerosols (kg)	3.8100E-06	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.9850E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		2.4996E-06
Total I (Ci)		9.7181E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.4100	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.4100	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.4200

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CRDA @ EAB - Condenser Release Doses:

Time (h) =	0.4200	Whole Body	Thyroid	TEDE
Delta dose (rem)		1.7023E-04	2.5479E-03	2.5104E-04
Accumulated dose (rem)		1.8602E+00	2.5301E+01	2.6643E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	0.4200	Whole Body	Thyroid	TEDE
Delta dose (rem)		4.0953E-05	6.1295E-04	6.0394E-05
Accumulated dose (rem)		8.3259E-01	1.1324E+01	1.1925E+00

Control Room Doses:

Time (h) =	0.4200	Whole Body	Thyroid	TEDE
Delta dose (rem)		1.9305E-04	5.9677E-02	2.0858E-03
Accumulated dose (rem)		8.5980E-03	2.5186E+00	8.8569E-02

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	0.4200	Ci	kg	Atoms	Decay
Kr-85		3.4538E+03	8.8031E-03	6.2369E+22	1.9954E+17
Kr-85m		5.1426E+04	6.2490E-02	4.4273E+23	2.9712E+18
Kr-87		7.7744E+04	2.7447E-06	1.8999E+19	5.0615E+18
Kr-88		1.2409E+05	9.8965E-06	6.7725E+19	7.5593E+18
Rb-86		9.0873E-02	1.1168E-09	7.8206E+15	5.2520E+12
I-131		2.1065E+03	1.6992E-05	7.8111E+19	1.2180E+17
I-132		2.6699E+03	2.5866E-07	1.1800E+18	1.6469E+17
I-133		4.1580E+03	3.6705E-06	1.6620E+19	2.4196E+17
I-134		3.3139E+03	1.2422E-07	5.5828E+17	2.2801E+17
I-135		3.7817E+03	1.0768E-06	4.8036E+18	2.2349E+17
Xe-133		4.0413E+05	2.1590E-03	9.7758E+21	2.3376E+19
Xe-135		1.4186E+05	5.5550E-05	2.4780E+20	8.3283E+18
Cs-134		9.8052E+00	7.5785E-06	3.4059E+19	5.6650E+14
Cs-136		2.7264E+00	3.7200E-08	1.6472E+17	1.5760E+14
Cs-137		4.8175E+00	5.5386E-05	2.4346E+20	2.7834E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	0.4200	Atmosphere	Sump
Noble gases (atoms)		5.1521E+23	0.0000E+00
Elemental I (atoms)		9.8235E+19	0.0000E+00
Organic I (atoms)		3.0382E+18	0.0000E+00
Aerosols (kg)		6.3002E-05	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)			1.8796E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.3663E-06
Total I (Ci)			1.6030E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.4200 Leakage Transport

Noble gases (atoms)	5.4381E+19
Elemental I (atoms)	1.0402E+16
Organic I (atoms)	3.2172E+14
Aerosols (kg)	6.6497E-09

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	0.4200	Pathway	
		Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18
Aerosols (kg)		0.0000E+00	2.4281E-05

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Environment Integral Nuclide Release:

Time (h) = 0.4200	Ci	kg	Atoms	Bq
Kr-85	1.1227E+03	2.8615E-03	2.0273E+22	4.1538E+13
Kr-85m	1.6716E+04	2.0313E-02	1.4391E+23	6.1850E+14
Kr-87	2.9603E+04	1.0451E-06	7.2342E+18	1.0953E+15
Kr-88	4.3297E+04	3.4529E-06	2.3629E+19	1.6020E+15
Rb-86	2.9552E-02	3.6319E-10	2.5432E+15	1.0934E+09
I-131	6.8544E+02	5.5289E-06	2.5417E+19	2.5361E+13
I-132	9.4716E+02	9.1760E-08	4.1863E+17	3.5045E+13
I-133	1.3647E+03	1.2047E-06	5.4548E+18	5.0493E+13
I-134	1.3553E+03	5.0803E-08	2.2831E+17	5.0144E+13
I-135	1.2672E+03	3.6084E-07	1.6097E+18	4.6887E+13
Xe-133	1.3157E+05	7.0290E-04	3.1827E+21	4.8681E+15
Xe-135	4.7120E+04	1.8451E-05	8.2308E+19	1.7434E+15
Cs-134	3.1873E+00	2.4634E-06	1.1071E+19	1.1793E+11
Cs-136	8.8680E-01	1.2100E-08	5.3578E+16	3.2812E+10
Cs-137	1.5660E+00	1.8003E-05	7.9137E+19	5.7940E+10

Environment Transport Group Inventory:

Time (h) = 0.4200	Total Release	Release Rate/s	
Noble gases (atoms)	1.6748E+23	1.1077E+20	
Elemental I (atoms)	3.2134E+19	2.1253E+16	
Organic I (atoms)	9.9384E+17	6.5730E+14	
Aerosols (kg)	2.0479E-05	1.3544E-08	
Dose Effective (Ci) I-131 (Thyroid)			9.5628E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2129E+03
Total I (Ci)			5.6198E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.4200 Leakage Transport

Noble gases (atoms)	5.4381E+19
Elemental I (atoms)	1.0402E+16
Organic I (atoms)	3.2172E+14
Aerosols (kg)	6.6497E-09

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 0.4200	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.6668E+18
Elemental I (atoms)	0.0000E+00	1.0892E+15
Organic I (atoms)	0.0000E+00	3.3687E+13
Aerosols (kg)	0.0000E+00	6.9291E-10

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 0.4200	Pathway Filtered	Transported
Noble gases (atoms)	2.2372E+18	0.0000E+00
Elemental I (atoms)	4.2848E+14	0.0000E+00
Organic I (atoms)	1.3252E+13	0.0000E+00
Aerosols (kg)	2.7356E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.4200	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23

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Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.4200	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	1.1919E+16
Kr-85m	3.1100E+03	3.7791E-03	2.6774E+22	1.7747E+17
Kr-87	4.7016E+03	1.6598E-07	1.1489E+18	3.0197E+17
Kr-88	7.5045E+03	5.9848E-07	4.0956E+18	4.5128E+17
Rb-86	5.4955E-03	6.7540E-11	4.7295E+14	3.1370E+11
I-131	1.2739E+02	1.0276E-06	4.7237E+18	7.2749E+15
I-132	1.6146E+02	1.5642E-08	7.1363E+16	9.8308E+15
I-133	2.5145E+02	2.2197E-07	1.0051E+18	1.4451E+16
I-134	2.0041E+02	7.5124E-09	3.3762E+16	1.3596E+16
I-135	2.2870E+02	6.5122E-08	2.9050E+17	1.3346E+16
Xe-133	2.4439E+04	1.3056E-04	5.9119E+20	1.3962E+18
Xe-135	8.5790E+03	3.3594E-06	1.4986E+19	4.9737E+17
Cs-134	5.9297E-01	4.5830E-07	2.0597E+18	3.3837E+13
Cs-136	1.6488E-01	2.2497E-09	9.9616E+15	9.4130E+12
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	1.6625E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.4200	Atmosphere	Sump	
Noble gases (atoms)	3.1157E+22	0.0000E+00	
Elemental I (atoms)	5.9407E+18	0.0000E+00	
Organic I (atoms)	1.8373E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.9847E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.4986E-06
Total I (Ci)			9.6941E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.4200	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.4200	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.4300

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.4300	whole Body	Thyroid	TEDE
Delta dose (rem)	1.6976E-04	2.5474E-03	2.5056E-04
Accumulated dose (rem)	1.8604E+00	2.5304E+01	2.6645E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.4300	whole Body	Thyroid	TEDE
Delta dose (rem)	4.0841E-05	6.1285E-04	6.0277E-05

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Accumulated dose (rem) 8.3263E-01 1.1324E+01 1.1925E+00

Control Room Doses:

Time (h) =	0.4300	Whole Body	Thyroid	TEDE
Delta dose (rem)		1.8980E-04	5.8823E-02	2.0554E-03
Accumulated dose (rem)		8.7878E-03	2.5774E+00	9.0624E-02

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	0.4300	Ci	kg	Atoms	Decay
Kr-85		3.4538E+03	8.8031E-03	6.2369E+22	2.0414E+17
Kr-85m		5.1426E+04	6.2490E-02	4.4273E+23	3.0397E+18
Kr-87		7.7321E+04	2.7297E-06	1.8895E+19	5.1648E+18
Kr-88		1.2379E+05	9.8723E-06	6.7560E+19	7.7244E+18
Rb-86		9.0872E-02	1.1168E-09	7.8204E+15	5.3730E+12
I-131		2.1064E+03	1.6991E-05	7.8108E+19	1.2460E+17
I-132		2.6618E+03	2.5788E-07	1.1765E+18	1.6824E+17
I-133		4.1566E+03	3.6693E-06	1.6614E+19	2.4750E+17
I-134		3.2878E+03	1.2325E-07	5.5388E+17	2.3241E+17
I-135		3.7777E+03	1.0757E-06	4.7986E+18	2.2853E+17
Xe-133		4.0410E+05	2.1589E-03	9.7752E+21	2.3914E+19
Xe-135		1.4175E+05	5.5509E-05	2.4762E+20	8.5172E+18
Cs-134		9.8052E+00	7.5784E-06	3.4058E+19	5.7957E+14
Cs-136		2.7264E+00	3.7199E-08	1.6472E+17	1.6123E+14
Cs-137		4.8175E+00	5.5385E-05	2.4346E+20	2.8475E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	0.4300	Atmosphere	Sump
Noble gases (atoms)		5.1521E+23	0.0000E+00
Elemental I (atoms)		9.8213E+19	0.0000E+00
Organic I (atoms)		3.0375E+18	0.0000E+00
Aerosols (kg)		6.3002E-05	0.0000E+00
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.8793E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.3653E-06
Total I (Ci)			1.5990E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.4300 Leakage Transport

Noble gases (atoms)	5.6528E+19
Elemental I (atoms)	1.0812E+16
Organic I (atoms)	3.3438E+14
Aerosols (kg)	6.9123E-09

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway
Time (h) =	0.4300
	Filtered Transported
Noble gases (atoms)	0.0000E+00 1.9857E+23
Elemental I (atoms)	0.0000E+00 3.8180E+19
Organic I (atoms)	0.0000E+00 1.1808E+18
Aerosols (kg)	0.0000E+00 2.4281E-05

Environment Integral Nuclide Release:

Time (h) =	0.4300	Ci	kg	Atoms	Bq
Kr-85		1.1227E+03	2.8615E-03	2.0273E+22	4.1539E+13
Kr-85m		1.6717E+04	2.0313E-02	1.4391E+23	6.1851E+14
Kr-87		2.9604E+04	1.0451E-06	7.2343E+18	1.0953E+15
Kr-88		4.3297E+04	3.4530E-06	2.3630E+19	1.6020E+15
Rb-86		2.9552E-02	3.6320E-10	2.5433E+15	1.0934E+09
I-131		6.8545E+02	5.5290E-06	2.5417E+19	2.5362E+13

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I-132	9.4717E+02	9.1761E-08	4.1863E+17	3.5045E+13	
I-133	1.3647E+03	1.2047E-06	5.4548E+18	5.0494E+13	
I-134	1.3553E+03	5.0803E-08	2.2832E+17	5.0145E+13	
I-135	1.2672E+03	3.6085E-07	1.6097E+18	4.6888E+13	
Xe-133	1.3157E+05	7.0291E-04	3.1827E+21	4.8681E+15	
Xe-135	4.7120E+04	1.8452E-05	8.2309E+19	1.7434E+15	
Cs-134	3.1873E+00	2.4635E-06	1.1071E+19	1.1793E+11	
Cs-136	8.8681E-01	1.2100E-08	5.3579E+16	3.2812E+10	
Cs-137	1.5660E+00	1.8003E-05	7.9138E+19	5.7941E+10	

Environment Transport Group Inventory:

Time (h) = 0.4300	Total Release	Release Rate/s	
Noble gases (atoms)	1.6748E+23	1.0819E+20	
Elemental I (atoms)	3.2135E+19	2.0759E+16	
Organic I (atoms)	9.9385E+17	6.4202E+14	
Aerosols (kg)	2.0479E-05	1.3230E-08	
Dose Effective (Ci) I-131 (Thyroid)			9.5629E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2129E+03
Total I (Ci)			5.6198E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.4300 Leakage Transport

Noble gases (atoms)	5.6528E+19
Elemental I (atoms)	1.0812E+16
Organic I (atoms)	3.3438E+14
Aerosols (kg)	6.9123E-09

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 0.4300	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.6730E+18
Elemental I (atoms)	0.0000E+00	1.0904E+15
Organic I (atoms)	0.0000E+00	3.3723E+13
Aerosols (kg)	0.0000E+00	6.9367E-10

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 0.4300	Pathway Filtered	Transported
Noble gases (atoms)	2.2913E+18	0.0000E+00
Elemental I (atoms)	4.3879E+14	0.0000E+00
Organic I (atoms)	1.3571E+13	0.0000E+00
Aerosols (kg)	2.8018E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.4300	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.4300	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	1.2197E+16
Kr-85m	3.1100E+03	3.7791E-03	2.6774E+22	1.8161E+17
Kr-87	4.6760E+03	1.6508E-07	1.1427E+18	3.0822E+17

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Kr-88	7.4862E+03	5.9703E-07	4.0856E+18	4.6126E+17
Rb-86	5.4954E-03	6.7539E-11	4.7294E+14	3.2102E+11
I-131	1.2739E+02	1.0275E-06	4.7236E+18	7.4446E+15
I-132	1.6097E+02	1.5595E-08	7.1148E+16	1.0046E+16
I-133	2.5137E+02	2.2190E-07	1.0047E+18	1.4786E+16
I-134	1.9883E+02	7.4532E-09	3.3496E+16	1.3862E+16
I-135	2.2846E+02	6.5053E-08	2.9019E+17	1.3651E+16
Xe-133	2.4438E+04	1.3056E-04	5.9115E+20	1.4288E+18
Xe-135	8.5726E+03	3.3569E-06	1.4975E+19	5.0879E+17
Cs-134	5.9297E-01	4.5830E-07	2.0597E+18	3.4627E+13
Cs-136	1.6488E-01	2.2496E-09	9.9614E+15	9.6326E+12
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	1.7013E+13

MVP Holdup Transport Group Inventory:

	Atmosphere	Sump	
Time (h) = 0.4300			
Noble gases (atoms)	3.1157E+22	0.0000E+00	
Elemental I (atoms)	5.9394E+18	0.0000E+00	
Organic I (atoms)	1.8369E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.9843E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.4976E-06
Total I (Ci)			9.6702E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 0.4300		
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 0.4300		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.4400

CRDA @ EAB - Condenser Release Doses:

	Whole Body	Thyroid	TEDE
Time (h) = 0.4400			
Delta dose (rem)	1.6930E-04	2.5470E-03	2.5007E-04
Accumulated dose (rem)	1.8606E+00	2.5306E+01	2.6648E+00

CRDA @ LPZ - Condenser Release Doses:

	Whole Body	Thyroid	TEDE
Time (h) = 0.4400			
Delta dose (rem)	4.0728E-05	6.1274E-04	6.0161E-05
Accumulated dose (rem)	8.3267E-01	1.1325E+01	1.1926E+00

Control Room Doses:

	Whole Body	Thyroid	TEDE
Time (h) = 0.4400			
Delta dose (rem)	1.8661E-04	5.7984E-02	2.0255E-03
Accumulated dose (rem)	8.9744E-03	2.6354E+00	9.2649E-02

DAEC Condenser - CRDA Compartment Nuclide Inventory:

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Time (h) =	Ci	kg	Atoms	Decay
0.4400				
Kr-85	3.4537E+03	8.8030E-03	6.2368E+22	2.0874E+17
Kr-85m	5.1426E+04	6.2489E-02	4.4273E+23	3.1082E+18
Kr-87	7.6901E+04	2.7149E-06	1.8792E+19	5.2675E+18
Kr-88	1.2349E+05	9.8482E-06	6.7395E+19	7.8890E+18
Rb-86	9.0870E-02	1.1168E-09	7.8203E+15	5.4941E+12
I-131	2.1064E+03	1.6990E-05	7.8105E+19	1.2741E+17
I-132	2.6538E+03	2.5710E-07	1.1729E+18	1.7178E+17
I-133	4.1552E+03	3.6680E-06	1.6609E+19	2.5303E+17
I-134	3.2619E+03	1.2227E-07	5.4952E+17	2.3677E+17
I-135	3.7738E+03	1.0746E-06	4.7935E+18	2.3355E+17
Xe-133	4.0408E+05	2.1587E-03	9.7746E+21	2.4452E+19
Xe-135	1.4165E+05	5.5467E-05	2.4743E+20	8.7059E+18
Cs-134	9.8052E+00	7.5784E-06	3.4058E+19	5.9263E+14
Cs-136	2.7263E+00	3.7198E-08	1.6472E+17	1.6486E+14
Cs-137	4.8175E+00	5.5385E-05	2.4346E+20	2.9117E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	Atmosphere	Sump
0.4400		
Noble gases (atoms)	5.1521E+23	0.0000E+00
Elemental I (atoms)	9.8192E+19	0.0000E+00
Organic I (atoms)	3.0369E+18	0.0000E+00
Aerosols (kg)	6.3002E-05	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.8789E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		2.3644E-06
Total I (Ci)		1.5951E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.4400 Leakage Transport

Noble gases (atoms)	5.8674E+19
Elemental I (atoms)	1.1221E+16
Organic I (atoms)	3.4703E+14
Aerosols (kg)	7.1748E-09

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	Pathway	
	Filtered	Transported
0.4400		
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) =	Ci	kg	Atoms	Bq
0.4400				
Kr-85	1.1227E+03	2.8616E-03	2.0274E+22	4.1539E+13
Kr-85m	1.6717E+04	2.0313E-02	1.4392E+23	6.1852E+14
Kr-87	2.9604E+04	1.0451E-06	7.2344E+18	1.0953E+15
Kr-88	4.3298E+04	3.4530E-06	2.3630E+19	1.6020E+15
Rb-86	2.9553E-02	3.6320E-10	2.5433E+15	1.0934E+09
I-131	6.8546E+02	5.5290E-06	2.5417E+19	2.5362E+13
I-132	9.4718E+02	9.1762E-08	4.1864E+17	3.5046E+13
I-133	1.3647E+03	1.2047E-06	5.4549E+18	5.0495E+13
I-134	1.3553E+03	5.0804E-08	2.2832E+17	5.0145E+13
I-135	1.2673E+03	3.6085E-07	1.6097E+18	4.6888E+13
Xe-133	1.3157E+05	7.0292E-04	3.1828E+21	4.8682E+15
Xe-135	4.7121E+04	1.8452E-05	8.2310E+19	1.7435E+15
Cs-134	3.1873E+00	2.4635E-06	1.1071E+19	1.1793E+11
Cs-136	8.8682E-01	1.2100E-08	5.3580E+16	3.2813E+10
Cs-137	1.5660E+00	1.8004E-05	7.9139E+19	5.7942E+10

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Environment Transport Group Inventory:

	Total Release	Release Rate/s	
Time (h) =	0.4400		
Noble gases (atoms)	1.6749E+23	1.0574E+20	
Elemental I (atoms)	3.2135E+19	2.0287E+16	
Organic I (atoms)	9.9387E+17	6.2744E+14	
Aerosols (kg)	2.0480E-05	1.2929E-08	
Dose Effective (Ci) I-131 (Thyroid)			9.5630E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2130E+03
Total I (Ci)			5.6199E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.4400 Leakage Transport

Noble gases (atoms)	5.8674E+19
Elemental I (atoms)	1.1221E+16
Organic I (atoms)	3.4703E+14
Aerosols (kg)	7.1748E-09

Normal Environment to Control Room Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) =	0.4400	
Noble gases (atoms)	0.0000E+00	5.6792E+18
Elemental I (atoms)	0.0000E+00	1.0916E+15
Organic I (atoms)	0.0000E+00	3.3760E+13
Aerosols (kg)	0.0000E+00	6.9443E-10

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) =	0.4400	
Noble gases (atoms)	2.3446E+18	0.0000E+00
Elemental I (atoms)	4.4895E+14	0.0000E+00
Organic I (atoms)	1.3885E+13	0.0000E+00
Aerosols (kg)	2.8670E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) =	0.4400	
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) =	ci	kg	Atoms	Decay
0.4400				
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	1.2475E+16
Kr-85m	3.1100E+03	3.7791E-03	2.6774E+22	1.8575E+17
Kr-87	4.6506E+03	1.6418E-07	1.1365E+18	3.1443E+17
Kr-88	7.4680E+03	5.9557E-07	4.0757E+18	4.7122E+17
Rb-86	5.4954E-03	6.7538E-11	4.7293E+14	3.2834E+11
I-131	1.2738E+02	1.0275E-06	4.7234E+18	7.6143E+15
I-132	1.6049E+02	1.5548E-08	7.0934E+16	1.0260E+16
I-133	2.5128E+02	2.2182E-07	1.0044E+18	1.5121E+16
I-134	1.9726E+02	7.3945E-09	3.3232E+16	1.4126E+16
I-135	2.2822E+02	6.4985E-08	2.8989E+17	1.3955E+16
Xe-133	2.4437E+04	1.3055E-04	5.9112E+20	1.4613E+18
Xe-135	8.5662E+03	3.3544E-06	1.4963E+19	5.2020E+17
Cs-134	5.9297E-01	4.5830E-07	2.0597E+18	3.5417E+13

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Cs-136	1.6487E-01	2.2496E-09	9.9612E+15	9.8522E+12
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	1.7401E+13

MVP Holdup Transport Group Inventory:

Time (h) =	0.4400	Atmosphere	Sump	
Noble gases (atoms)	3.1157E+22	0.0000E+00		
Elemental I (atoms)	5.9382E+18	0.0000E+00		
Organic I (atoms)	1.8366E+17	0.0000E+00		
Aerosols (kg)	3.8100E-06	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)			1.9840E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)			2.4966E-06
Total I (Ci)				9.6464E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

		Pathway	
Time (h) =	0.4400	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23	
Elemental I (atoms)	0.0000E+00	3.8180E+19	
Organic I (atoms)	0.0000E+00	1.1808E+18	
Aerosols (kg)	0.0000E+00	2.4281E-05	

MVP Holdup to Environment Transport Group Inventory:

		Pathway	
Time (h) =	0.4400	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23	
Elemental I (atoms)	0.0000E+00	3.6947E+19	
Organic I (atoms)	0.0000E+00	1.1427E+18	
Aerosols (kg)	0.0000E+00	2.3498E-05	

Detailed model information at time (H) = 0.4500

CRDA @ EAB - Condenser Release Doses:

Time (h) =	0.4500	Whole Body	Thyroid	TEDE
Delta dose (rem)		1.6883E-04	2.5466E-03	2.4959E-04
Accumulated dose (rem)		1.8607E+00	2.5309E+01	2.6650E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	0.4500	Whole Body	Thyroid	TEDE
Delta dose (rem)		4.0617E-05	6.1264E-04	6.0045E-05
Accumulated dose (rem)		8.3271E-01	1.1325E+01	1.1926E+00

Control Room Doses:

Time (h) =	0.4500	Whole Body	Thyroid	TEDE
Delta dose (rem)		1.8348E-04	5.7158E-02	1.9961E-03
Accumulated dose (rem)		9.1579E-03	2.6926E+00	9.4646E-02

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	0.4500	Ci	kg	Atoms	Decay
Kr-85		3.4537E+03	8.8030E-03	6.2368E+22	2.1334E+17
Kr-85m		5.1426E+04	6.2489E-02	4.4273E+23	3.1767E+18
Kr-87		7.6482E+04	2.7001E-06	1.8690E+19	5.3697E+18
Kr-88		1.2319E+05	9.8242E-06	6.7230E+19	8.0533E+18
Rb-86		9.0868E-02	1.1168E-09	7.8201E+15	5.6151E+12
I-131		2.1063E+03	1.6989E-05	7.8102E+19	1.3022E+17
I-132		2.6458E+03	2.5632E-07	1.1694E+18	1.7531E+17
I-133		4.1538E+03	3.6668E-06	1.6603E+19	2.5857E+17
I-134		3.2362E+03	1.2131E-07	5.4519E+17	2.4110E+17

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I-135	3.7698E+03	1.0734E-06	4.7885E+18	2.3858E+17
Xe-133	4.0405E+05	2.1586E-03	9.7741E+21	2.4991E+19
Xe-135	1.4154E+05	5.5426E-05	2.4725E+20	8.8945E+18
Cs-134	9.8051E+00	7.5784E-06	3.4058E+19	6.0569E+14
Cs-136	2.7262E+00	3.7197E-08	1.6471E+17	1.6849E+14
Cs-137	4.8175E+00	5.5385E-05	2.4346E+20	2.9759E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	0.4500	Atmosphere	Sump	
Noble gases (atoms)		5.1520E+23	0.0000E+00	
Elemental I (atoms)		9.8171E+19	0.0000E+00	
Organic I (atoms)		3.0362E+18	0.0000E+00	
Aerosols (kg)		6.3002E-05	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)			1.8786E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)			2.3634E-06
Total I (Ci)				1.5912E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.4500 Leakage Transport

Noble gases (atoms)	6.0821E+19
Elemental I (atoms)	1.1630E+16
Organic I (atoms)	3.5969E+14
Aerosols (kg)	7.4373E-09

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	0.4500	Pathway	
		Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18
Aerosols (kg)		0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) =	0.4500	Ci	kg	Atoms	Bq
Kr-85		1.1227E+03	2.8616E-03	2.0274E+22	4.1540E+13
Kr-85m		1.6717E+04	2.0313E-02	1.4392E+23	6.1853E+14
Kr-87		2.9604E+04	1.0451E-06	7.2345E+18	1.0954E+15
Kr-88		4.3298E+04	3.4530E-06	2.3630E+19	1.6020E+15
Rb-86		2.9553E-02	3.6320E-10	2.5433E+15	1.0935E+09
I-131		6.8547E+02	5.5291E-06	2.5418E+19	2.5362E+13
I-132		9.4719E+02	9.1763E-08	4.1864E+17	3.5046E+13
I-133		1.3647E+03	1.2047E-06	5.4550E+18	5.0495E+13
I-134		1.3553E+03	5.0804E-08	2.2832E+17	5.0146E+13
I-135		1.2673E+03	3.6085E-07	1.6097E+18	4.6889E+13
Xe-133		1.3157E+05	7.0293E-04	3.1828E+21	4.8683E+15
Xe-135		4.7121E+04	1.8452E-05	8.2311E+19	1.7435E+15
Cs-134		3.1874E+00	2.4635E-06	1.1071E+19	1.1793E+11
Cs-136		8.8684E-01	1.2100E-08	5.3580E+16	3.2813E+10
Cs-137		1.5660E+00	1.8004E-05	7.9140E+19	5.7943E+10

Environment Transport Group Inventory:

Time (h) =	0.4500	Total Release	Release Rate/s	
Noble gases (atoms)		1.6749E+23	1.0339E+20	
Elemental I (atoms)		3.2135E+19	1.9837E+16	
Organic I (atoms)		9.9388E+17	6.1350E+14	
Aerosols (kg)		2.0480E-05	1.2642E-08	
Dose Effective (Ci)	I-131 (Thyroid)			9.5631E+02
Dose Effective (Ci)	I-131 (ICRP2 Thyroid)			1.2130E+03

Total I (Ci)

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 0.4500 Leakage Transport

Noble gases (atoms)	6.0821E+19
Elemental I (atoms)	1.1630E+16
Organic I (atoms)	3.5969E+14
Aerosols (kg)	7.4373E-09

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 0.4500	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.6854E+18
Elemental I (atoms)	0.0000E+00	1.0928E+15
Organic I (atoms)	0.0000E+00	3.3797E+13
Aerosols (kg)	0.0000E+00	6.9519E-10

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 0.4500	Pathway	
	Filtered	Transported
Noble gases (atoms)	2.3972E+18	0.0000E+00
Elemental I (atoms)	4.5897E+14	0.0000E+00
Organic I (atoms)	1.4195E+13	0.0000E+00
Aerosols (kg)	2.9312E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.4500	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.4500	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	1.2753E+16
Kr-85m	3.1100E+03	3.7791E-03	2.6774E+22	1.8989E+17
Kr-87	4.6253E+03	1.6329E-07	1.1303E+18	3.2061E+17
Kr-88	7.4498E+03	5.9412E-07	4.0658E+18	4.8116E+17
Rb-86	5.4953E-03	6.7537E-11	4.7292E+14	3.3566E+11
I-131	1.2738E+02	1.0274E-06	4.7232E+18	7.7839E+15
I-132	1.6001E+02	1.5501E-08	7.0721E+16	1.0473E+16
I-133	2.5120E+02	2.2175E-07	1.0041E+18	1.5455E+16
I-134	1.9571E+02	7.3363E-09	3.2970E+16	1.4387E+16
I-135	2.2798E+02	6.4917E-08	2.8958E+17	1.4258E+16
Xe-133	2.4435E+04	1.3054E-04	5.9109E+20	1.4939E+18
Xe-135	8.5598E+03	3.3519E-06	1.4952E+19	5.3161E+17
Cs-134	5.9297E-01	4.5830E-07	2.0597E+18	3.6206E+13
Cs-136	1.6487E-01	2.2495E-09	9.9609E+15	1.0072E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	1.7789E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.4500	Atmosphere	Sump	
Noble gases (atoms)	3.1157E+22	0.0000E+00	
Elemental I (atoms)	5.9369E+18	0.0000E+00	
Organic I (atoms)	1.8362E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.9837E-06

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Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid) 2.4955E-06
 Total I (Ci) 9.6227E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.4500	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.4500	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.4600

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.4600	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.6837E-04	2.5461E-03	2.4911E-04
Accumulated dose (rem)	1.8609E+00	2.5311E+01	2.6653E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.4600	Whole Body	Thyroid	TEDE
Delta dose (rem)	4.0505E-05	6.1253E-04	5.9929E-05
Accumulated dose (rem)	8.3275E-01	1.1326E+01	1.1927E+00

Control Room Doses:

Time (h) = 0.4600	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.8041E-04	5.6346E-02	1.9672E-03
Accumulated dose (rem)	9.3383E-03	2.7489E+00	9.6613E-02

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.4600	Ci	kg	Atoms	Decay
Kr-85	3.4537E+03	8.8030E-03	6.2368E+22	2.1794E+17
Kr-85m	5.1425E+04	6.2489E-02	4.4273E+23	3.2452E+18
Kr-87	7.6066E+04	2.6854E-06	1.8589E+19	5.4713E+18
Kr-88	1.2289E+05	9.8002E-06	6.7066E+19	8.2172E+18
Rb-86	9.0866E-02	1.1167E-09	7.8200E+15	5.7361E+12
I-131	2.1062E+03	1.6989E-05	7.8098E+19	1.3302E+17
I-132	2.6379E+03	2.5555E-07	1.1659E+18	1.7883E+17
I-133	4.1524E+03	3.6656E-06	1.6597E+19	2.6410E+17
I-134	3.2107E+03	1.2035E-07	5.4089E+17	2.4539E+17
I-135	3.7658E+03	1.0723E-06	4.7834E+18	2.4360E+17
Xe-133	4.0403E+05	2.1585E-03	9.7735E+21	2.5529E+19
Xe-135	1.4144E+05	5.5384E-05	2.4706E+20	9.0830E+18
Cs-134	9.8051E+00	7.5783E-06	3.4058E+19	6.1875E+14
Cs-136	2.7261E+00	3.7196E-08	1.6471E+17	1.7212E+14
Cs-137	4.8175E+00	5.5385E-05	2.4346E+20	3.0400E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 0.4600	Atmosphere	Sump
Noble gases (atoms)	5.1520E+23	0.0000E+00

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Elemental I (atoms)	9.8150E+19	0.0000E+00	
Organic I (atoms)	3.0356E+18	0.0000E+00	
Aerosols (kg)	6.3001E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.8783E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.3624E-06
Total I (Ci)			1.5873E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 0.4600 Leakage Transport

Noble gases (atoms)	6.2968E+19
Elemental I (atoms)	1.2039E+16
Organic I (atoms)	3.7234E+14
Aerosols (kg)	7.6998E-09

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 0.4600	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 0.4600	Ci	kg	Atoms	Bq
Kr-85	1.1227E+03	2.8616E-03	2.0274E+22	4.1540E+13
Kr-85m	1.6717E+04	2.0314E-02	1.4392E+23	6.1854E+14
Kr-87	2.9605E+04	1.0452E-06	7.2346E+18	1.0954E+15
Kr-88	4.3299E+04	3.4531E-06	2.3631E+19	1.6021E+15
Rb-86	2.9553E-02	3.6321E-10	2.5434E+15	1.0935E+09
I-131	6.8548E+02	5.5292E-06	2.5418E+19	2.5363E+13
I-132	9.4720E+02	9.1764E-08	4.1865E+17	3.5047E+13
I-133	1.3648E+03	1.2048E-06	5.4550E+18	5.0496E+13
I-134	1.3553E+03	5.0805E-08	2.2832E+17	5.0146E+13
I-135	1.2673E+03	3.6086E-07	1.6097E+18	4.6889E+13
Xe-133	1.3158E+05	7.0293E-04	3.1828E+21	4.8683E+15
Xe-135	4.7122E+04	1.8452E-05	8.2312E+19	1.7435E+15
Cs-134	3.1874E+00	2.4636E-06	1.1072E+19	1.1793E+11
Cs-136	8.8685E-01	1.2100E-08	5.3581E+16	3.2813E+10
Cs-137	1.5660E+00	1.8004E-05	7.9141E+19	5.7943E+10

Environment Transport Group Inventory:

	Total	Release
Time (h) = 0.4600	Release	Rate/s
Noble gases (atoms)	1.6749E+23	1.0114E+20
Elemental I (atoms)	3.2136E+19	1.9406E+16
Organic I (atoms)	9.9389E+17	6.0018E+14
Aerosols (kg)	2.0480E-05	1.2367E-08
Dose Effective (Ci) I-131 (Thyroid)		9.5632E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		1.2130E+03
Total I (Ci)		5.6200E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 0.4600 Leakage Transport

Noble gases (atoms)	6.2968E+19
Elemental I (atoms)	1.2039E+16
Organic I (atoms)	3.7234E+14
Aerosols (kg)	7.6998E-09

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Normal Environment to Control Room Transport Group Inventory:

Time (h) = 0.4600	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.6917E+18
Elemental I (atoms)	0.0000E+00	1.0939E+15
Organic I (atoms)	0.0000E+00	3.3833E+13
Aerosols (kg)	0.0000E+00	6.9595E-10

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 0.4600	Pathway	
	Filtered	Transported
Noble gases (atoms)	2.4490E+18	0.0000E+00
Elemental I (atoms)	4.6884E+14	0.0000E+00
Organic I (atoms)	1.4500E+13	0.0000E+00
Aerosols (kg)	2.9946E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.4600	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.4600	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	1.3031E+16
Kr-85m	3.1100E+03	3.7791E-03	2.6774E+22	1.9404E+17
Kr-87	4.6002E+03	1.6240E-07	1.1242E+18	3.2675E+17
Kr-88	7.4316E+03	5.9267E-07	4.0558E+18	4.9107E+17
Rb-86	5.4952E-03	6.7536E-11	4.7292E+14	3.4298E+11
I-131	1.2737E+02	1.0274E-06	4.7230E+18	7.9536E+15
I-132	1.5953E+02	1.5455E-08	7.0508E+16	1.0686E+16
I-133	2.5112E+02	2.2168E-07	1.0037E+18	1.5790E+16
I-134	1.9417E+02	7.2785E-09	3.2711E+16	1.4647E+16
I-135	2.2774E+02	6.4849E-08	2.8928E+17	1.4562E+16
Xe-133	2.4434E+04	1.3054E-04	5.9106E+20	1.5264E+18
Xe-135	8.5534E+03	3.3494E-06	1.4941E+19	5.4301E+17
Cs-134	5.9297E-01	4.5830E-07	2.0597E+18	3.6996E+13
Cs-136	1.6487E-01	2.2495E-09	9.9607E+15	1.0291E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	1.8177E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.4600	Atmosphere	Sump	
Noble gases (atoms)	3.1157E+22	0.0000E+00	
Elemental I (atoms)	5.9357E+18	0.0000E+00	
Organic I (atoms)	1.8358E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.9833E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.4945E-06
Total I (Ci)			9.5992E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.4600	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18

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Aerosols (kg) 0.0000E+00 2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 0.4600		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.4700

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.4700	whole Body	Thyroid	TEDE
Delta dose (rem)	1.6791E-04	2.5457E-03	2.4863E-04
Accumulated dose (rem)	1.8611E+00	2.5314E+01	2.6655E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.4700	whole Body	Thyroid	TEDE
Delta dose (rem)	4.0394E-05	6.1242E-04	5.9814E-05
Accumulated dose (rem)	8.3280E-01	1.1327E+01	1.1928E+00

Control Room Doses:

Time (h) = 0.4700	whole Body	Thyroid	TEDE
Delta dose (rem)	1.7739E-04	5.5546E-02	1.9387E-03
Accumulated dose (rem)	9.5157E-03	2.8045E+00	9.8551E-02

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.4700	Ci	kg	Atoms	Decay
Kr-85	3.4537E+03	8.8029E-03	6.2368E+22	2.2254E+17
Kr-85m	5.1425E+04	6.2489E-02	4.4272E+23	3.3137E+18
Kr-87	7.5653E+04	2.6708E-06	1.8487E+19	5.5723E+18
Kr-88	1.2259E+05	9.7762E-06	6.6902E+19	8.3807E+18
Rb-86	9.0865E-02	1.1167E-09	7.8198E+15	5.8572E+12
I-131	2.1061E+03	1.6988E-05	7.8095E+19	1.3583E+17
I-132	2.6299E+03	2.5478E-07	1.1624E+18	1.8234E+17
I-133	4.1510E+03	3.6643E-06	1.6592E+19	2.6963E+17
I-134	3.1854E+03	1.1941E-07	5.3663E+17	2.4965E+17
I-135	3.7619E+03	1.0712E-06	4.7784E+18	2.4861E+17
Xe-133	4.0401E+05	2.1584E-03	9.7729E+21	2.6067E+19
Xe-135	1.4133E+05	5.5343E-05	2.4688E+20	9.2713E+18
Cs-134	9.8050E+00	7.5783E-06	3.4058E+19	6.3181E+14
Cs-136	2.7261E+00	3.7195E-08	1.6470E+17	1.7575E+14
Cs-137	4.8174E+00	5.5385E-05	2.4345E+20	3.1042E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 0.4700	Atmosphere	Sump	
Noble gases (atoms)	5.1520E+23	0.0000E+00	
Elemental I (atoms)	9.8130E+19	0.0000E+00	
Organic I (atoms)	3.0349E+18	0.0000E+00	
Aerosols (kg)	6.3001E-05	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.8780E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.3614E-06
Total I (Ci)			1.5834E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.4700 Leakage Transport

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Noble gases (atoms)	6.5114E+19
Elemental I (atoms)	1.2448E+16
Organic I (atoms)	3.8499E+14
Aerosols (kg)	7.9623E-09

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 0.4700	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 0.4700	Ci	kg	Atoms	Bq
Kr-85	1.1227E+03	2.8617E-03	2.0275E+22	4.1541E+13
Kr-85m	1.6717E+04	2.0314E-02	1.4392E+23	6.1854E+14
Kr-87	2.9605E+04	1.0452E-06	7.2346E+18	1.0954E+15
Kr-88	4.3300E+04	3.4531E-06	2.3631E+19	1.6021E+15
Rb-86	2.9554E-02	3.6321E-10	2.5434E+15	1.0935E+09
I-131	6.8549E+02	5.5293E-06	2.5418E+19	2.5363E+13
I-132	9.4721E+02	9.1765E-08	4.1865E+17	3.5047E+13
I-133	1.3648E+03	1.2048E-06	5.4551E+18	5.0497E+13
I-134	1.3553E+03	5.0805E-08	2.2833E+17	5.0147E+13
I-135	1.2673E+03	3.6086E-07	1.6098E+18	4.6890E+13
Xe-133	1.3158E+05	7.0294E-04	3.1829E+21	4.8684E+15
Xe-135	4.7123E+04	1.8452E-05	8.2314E+19	1.7435E+15
Cs-134	3.1875E+00	2.4636E-06	1.1072E+19	1.1794E+11
Cs-136	8.8686E-01	1.2101E-08	5.3582E+16	3.2814E+10
Cs-137	1.5661E+00	1.8004E-05	7.9142E+19	5.7944E+10

Environment Transport Group Inventory:

Time (h) = 0.4700	Total Release	Release Rate/s	
Noble gases (atoms)	1.6749E+23	9.8991E+19	
Elemental I (atoms)	3.2136E+19	1.8993E+16	
Organic I (atoms)	9.9390E+17	5.8741E+14	
Aerosols (kg)	2.0480E-05	1.2104E-08	
Dose Effective (Ci)	I-131 (Thyroid)	9.5634E+02	
Dose Effective (Ci)	I-131 (ICRP2 Thyroid)	1.2130E+03	
Total I (Ci)		5.6201E+03	

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.4700 Leakage Transport

Noble gases (atoms)	6.5114E+19
Elemental I (atoms)	1.2448E+16
Organic I (atoms)	3.8499E+14
Aerosols (kg)	7.9623E-09

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 0.4700	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.6979E+18
Elemental I (atoms)	0.0000E+00	1.0951E+15
Organic I (atoms)	0.0000E+00	3.3870E+13
Aerosols (kg)	0.0000E+00	6.9671E-10

Normal Return Control Room to Environment Transport Group Inventory:

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	Pathway	
Time (h) = 0.4700	Filtered	Transported
Noble gases (atoms)	2.5001E+18	0.0000E+00
Elemental I (atoms)	4.7858E+14	0.0000E+00
Organic I (atoms)	1.4801E+13	0.0000E+00
Aerosols (kg)	3.0571E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.4700	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.4700	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	1.3310E+16
Kr-85m	3.1100E+03	3.7791E-03	2.6774E+22	1.9818E+17
Kr-87	4.5752E+03	1.6152E-07	1.1180E+18	3.3286E+17
Kr-88	7.4135E+03	5.9123E-07	4.0460E+18	5.0096E+17
Rb-86	5.4951E-03	6.7534E-11	4.7291E+14	3.5029E+11
I-131	1.2737E+02	1.0274E-06	4.7229E+18	8.1232E+15
I-132	1.5905E+02	1.5408E-08	7.0296E+16	1.0898E+16
I-133	2.5103E+02	2.2160E-07	1.0034E+18	1.6124E+16
I-134	1.9264E+02	7.2212E-09	3.2453E+16	1.4905E+16
I-135	2.2750E+02	6.4781E-08	2.8898E+17	1.4865E+16
Xe-133	2.4433E+04	1.3053E-04	5.9102E+20	1.5589E+18
Xe-135	8.5470E+03	3.3469E-06	1.4930E+19	5.5440E+17
Cs-134	5.9297E-01	4.5830E-07	2.0597E+18	3.7786E+13
Cs-136	1.6486E-01	2.2494E-09	9.9605E+15	1.0511E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	1.8565E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.4700	Atmosphere	Sump	
Noble gases (atoms)	3.1157E+22	0.0000E+00	
Elemental I (atoms)	5.9345E+18	0.0000E+00	
Organic I (atoms)	1.8354E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.9830E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.4935E-06
Total I (Ci)			9.5759E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 0.4700	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.4700	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

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Detailed model information at time (H) = 0.4800

CRDA @ EAB - Condenser Release Doses:

Time (h) =	0.4800	whole Body	Thyroid	TEDE
Delta dose (rem)		1.6745E-04	2.5452E-03	2.4815E-04
Accumulated dose (rem)		1.8612E+00	2.5316E+01	2.6658E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	0.4800	whole Body	Thyroid	TEDE
Delta dose (rem)		4.0284E-05	6.1232E-04	5.9699E-05
Accumulated dose (rem)		8.3284E-01	1.1327E+01	1.1928E+00

Control Room Doses:

Time (h) =	0.4800	whole Body	Thyroid	TEDE
Delta dose (rem)		1.7443E-04	5.4760E-02	1.9107E-03
Accumulated dose (rem)		9.6901E-03	2.8592E+00	1.0046E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	0.4800	Ci	kg	Atoms	Decay
Kr-85		3.4537E+03	8.8029E-03	6.2367E+22	2.2714E+17
Kr-85m		5.1425E+04	6.2488E-02	4.4272E+23	3.3822E+18
Kr-87		7.5241E+04	2.6563E-06	1.8387E+19	5.6728E+18
Kr-88		1.2229E+05	9.7524E-06	6.6739E+19	8.5438E+18
Rb-86		9.0863E-02	1.1167E-09	7.8197E+15	5.9782E+12
I-131		2.1060E+03	1.6987E-05	7.8092E+19	1.3863E+17
I-132		2.6220E+03	2.5401E-07	1.1589E+18	1.8584E+17
I-133		4.1496E+03	3.6631E-06	1.6586E+19	2.7516E+17
I-134		3.1603E+03	1.1847E-07	5.3240E+17	2.5388E+17
I-135		3.7579E+03	1.0701E-06	4.7734E+18	2.5362E+17
Xe-133		4.0398E+05	2.1582E-03	9.7723E+21	2.6605E+19
Xe-135		1.4122E+05	5.5301E-05	2.4669E+20	9.4595E+18
Cs-134		9.8050E+00	7.5783E-06	3.4058E+19	6.4487E+14
Cs-136		2.7260E+00	3.7194E-08	1.6470E+17	1.7938E+14
Cs-137		4.8174E+00	5.5384E-05	2.4345E+20	3.1684E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	0.4800	Atmosphere	Sump
Noble gases (atoms)		5.1519E+23	0.0000E+00
Elemental I (atoms)		9.8109E+19	0.0000E+00
Organic I (atoms)		3.0343E+18	0.0000E+00
Aerosols (kg)		6.3001E-05	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)			1.8776E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.3605E-06
Total I (Ci)			1.5796E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.4800 Leakage Transport

Noble gases (atoms)	6.7261E+19
Elemental I (atoms)	1.2857E+16
Organic I (atoms)	3.9763E+14
Aerosols (kg)	8.2248E-09

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	0.4800	Pathway	Filtered	Transported
Noble gases (atoms)			0.0000E+00	1.9857E+23

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Elemental I (atoms) 0.0000E+00 3.8180E+19
 Organic I (atoms) 0.0000E+00 1.1808E+18
 Aerosols (kg) 0.0000E+00 2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 0.4800	Ci	kg	Atoms	Bq
Kr-85	1.1227E+03	2.8617E-03	2.0275E+22	4.1542E+13
Kr-85m	1.6718E+04	2.0314E-02	1.4392E+23	6.1855E+14
Kr-87	2.9605E+04	1.0452E-06	7.2347E+18	1.0954E+15
Kr-88	4.3300E+04	3.4532E-06	2.3631E+19	1.6021E+15
Rb-86	2.9554E-02	3.6322E-10	2.5434E+15	1.0935E+09
I-131	6.8550E+02	5.5293E-06	2.5419E+19	2.5363E+13
I-132	9.4723E+02	9.1766E-08	4.1866E+17	3.5047E+13
I-133	1.3648E+03	1.2048E-06	5.4552E+18	5.0497E+13
I-134	1.3553E+03	5.0806E-08	2.2833E+17	5.0147E+13
I-135	1.2673E+03	3.6087E-07	1.6098E+18	4.6891E+13
Xe-133	1.3158E+05	7.0295E-04	3.1829E+21	4.8685E+15
Xe-135	4.7123E+04	1.8453E-05	8.2315E+19	1.7436E+15
Cs-134	3.1875E+00	2.4636E-06	1.1072E+19	1.1794E+11
Cs-136	8.8687E-01	1.2101E-08	5.3582E+16	3.2814E+10
Cs-137	1.5661E+00	1.8005E-05	7.9143E+19	5.7945E+10

Environment Transport Group Inventory:

Time (h) = 0.4800	Total Release	Release Rate/s	
Noble gases (atoms)	1.6749E+23	9.6929E+19	
Elemental I (atoms)	3.2137E+19	1.8598E+16	
Organic I (atoms)	9.9392E+17	5.7518E+14	
Aerosols (kg)	2.0481E-05	1.1852E-08	
Dose Effective (Ci) I-131 (Thyroid)			9.5635E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2130E+03
Total I (Ci)			5.6202E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 0.4800 Leakage Transport

Noble gases (atoms) 6.7261E+19
 Elemental I (atoms) 1.2857E+16
 Organic I (atoms) 3.9763E+14
 Aerosols (kg) 8.2248E-09

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 0.4800	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.7041E+18
Elemental I (atoms)	0.0000E+00	1.0963E+15
Organic I (atoms)	0.0000E+00	3.3907E+13
Aerosols (kg)	0.0000E+00	6.9747E-10

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 0.4800	Pathway Filtered	Transported
Noble gases (atoms)	2.5505E+18	0.0000E+00
Elemental I (atoms)	4.8817E+14	0.0000E+00
Organic I (atoms)	1.5098E+13	0.0000E+00
Aerosols (kg)	3.1187E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

CRDA GAP MVP TRIP 10 MIN.00

	Pathway	
	Filtered	Transported
Time (h) = 0.4800		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.4800	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	1.3588E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	2.0232E+17
Kr-87	4.5503E+03	1.6064E-07	1.1120E+18	3.3894E+17
Kr-88	7.3954E+03	5.8978E-07	4.0361E+18	5.1082E+17
Rb-86	5.4950E-03	6.7533E-11	4.7290E+14	3.5761E+11
I-131	1.2736E+02	1.0273E-06	4.7227E+18	8.2929E+15
I-132	1.5857E+02	1.5362E-08	7.0084E+16	1.1110E+16
I-133	2.5095E+02	2.2153E-07	1.0031E+18	1.6459E+16
I-134	1.9112E+02	7.1643E-09	3.2197E+16	1.5160E+16
I-135	2.2726E+02	6.4713E-08	2.8868E+17	1.5168E+16
Xe-133	2.4431E+04	1.3052E-04	5.9099E+20	1.5915E+18
Xe-135	8.5407E+03	3.3444E-06	1.4919E+19	5.6578E+17
Cs-134	5.9297E-01	4.5830E-07	2.0597E+18	3.8576E+13
Cs-136	1.6486E-01	2.2494E-09	9.9603E+15	1.0731E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	1.8953E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.4800	Atmosphere	Sump	
Noble gases (atoms)	3.1157E+22	0.0000E+00	
Elemental I (atoms)	5.9332E+18	0.0000E+00	
Organic I (atoms)	1.8350E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.9827E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.4925E-06
Total I (Ci)			9.5526E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 0.4800		
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 0.4800		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.4900

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.4900	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.6699E-04	2.5448E-03	2.4768E-04
Accumulated dose (rem)	1.8614E+00	2.5319E+01	2.6660E+00

CRDA @ LPZ - Condenser Release Doses:

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Time (h) = 0.4900	Whole Body	Thyroid	TEDE
Delta dose (rem)	4.0174E-05	6.1221E-04	5.9585E-05
Accumulated dose (rem)	8.3288E-01	1.1328E+01	1.1929E+00

Control Room Doses:

Time (h) = 0.4900	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.7153E-04	5.3986E-02	1.8832E-03
Accumulated dose (rem)	9.8616E-03	2.9132E+00	1.0235E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.4900	Ci	kg	Atoms	Decay
Kr-85	3.4537E+03	8.8028E-03	6.2367E+22	2.3174E+17
Kr-85m	5.1425E+04	6.2488E-02	4.4272E+23	3.4507E+18
Kr-87	7.4832E+04	2.6418E-06	1.8287E+19	5.7728E+18
Kr-88	1.2199E+05	9.7285E-06	6.6576E+19	8.7065E+18
Rb-86	9.0861E-02	1.1167E-09	7.8195E+15	6.0992E+12
I-131	2.1059E+03	1.6987E-05	7.8089E+19	1.4144E+17
I-132	2.6141E+03	2.5325E-07	1.1554E+18	1.8933E+17
I-133	4.1482E+03	3.6618E-06	1.6581E+19	2.8068E+17
I-134	3.1354E+03	1.1753E-07	5.2820E+17	2.5807E+17
I-135	3.7540E+03	1.0689E-06	4.7684E+18	2.5862E+17
Xe-133	4.0396E+05	2.1581E-03	9.7718E+21	2.7143E+19
Xe-135	1.4112E+05	5.5260E-05	2.4651E+20	9.6475E+18
Cs-134	9.8049E+00	7.5782E-06	3.4058E+19	6.5793E+14
Cs-136	2.7259E+00	3.7193E-08	1.6469E+17	1.8301E+14
Cs-137	4.8174E+00	5.5384E-05	2.4345E+20	3.2325E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 0.4900	Atmosphere	Sump	
Noble gases (atoms)	5.1519E+23	0.0000E+00	
Elemental I (atoms)	9.8088E+19	0.0000E+00	
Organic I (atoms)	3.0336E+18	0.0000E+00	
Aerosols (kg)	6.3001E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.8773E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.3595E-06
Total I (Ci)			1.5758E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.4900 Leakage Transport

Noble gases (atoms)	6.9408E+19
Elemental I (atoms)	1.3266E+16
Organic I (atoms)	4.1028E+14
Aerosols (kg)	8.4873E-09

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.4900	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 0.4900	Ci	kg	Atoms	Bq
Kr-85	1.1228E+03	2.8617E-03	2.0275E+22	4.1542E+13
Kr-85m	1.6718E+04	2.0314E-02	1.4393E+23	6.1856E+14
Kr-87	2.9606E+04	1.0452E-06	7.2348E+18	1.0954E+15

	CRDA	GAP	MVP	TRIP	10 MIN.00
Kr-88	4.3301E+04	3.4532E-06	2.3631E+19	1.6021E+15	
Rb-86	2.9555E-02	3.6322E-10	2.5435E+15	1.0935E+09	
I-131	6.8551E+02	5.5294E-06	2.5419E+19	2.5364E+13	
I-132	9.4724E+02	9.1767E-08	4.1866E+17	3.5048E+13	
I-133	1.3648E+03	1.2048E-06	5.4552E+18	5.0498E+13	
I-134	1.3553E+03	5.0806E-08	2.2833E+17	5.0148E+13	
I-135	1.2673E+03	3.6087E-07	1.6098E+18	4.6891E+13	
Xe-133	1.3158E+05	7.0296E-04	3.1830E+21	4.8685E+15	
Xe-135	4.7124E+04	1.8453E-05	8.2316E+19	1.7436E+15	
Cs-134	3.1875E+00	2.4636E-06	1.1072E+19	1.1794E+11	
Cs-136	8.8688E-01	1.2101E-08	5.3583E+16	3.2815E+10	
Cs-137	1.5661E+00	1.8005E-05	7.9144E+19	5.7946E+10	

Environment Transport Group Inventory:

	Total	Release
Time (h) = 0.4900	Release	Rate/s
Noble gases (atoms)	1.6750E+23	9.4953E+19
Elemental I (atoms)	3.2137E+19	1.8218E+16
Organic I (atoms)	9.9393E+17	5.6345E+14
Aerosols (kg)	2.0481E-05	1.1611E-08
Dose Effective (Ci) I-131 (Thyroid)		9.5636E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		1.2130E+03
Total I (Ci)		5.6202E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 0.4900 Leakage Transport

Noble gases (atoms)	6.9408E+19
Elemental I (atoms)	1.3266E+16
Organic I (atoms)	4.1028E+14
Aerosols (kg)	8.4873E-09

Normal Environment to Control Room Transport Group Inventory:

	Pathway	Filtered	Transported
Time (h) = 0.4900			
Noble gases (atoms)	0.0000E+00	5.7103E+18	
Elemental I (atoms)	0.0000E+00	1.0975E+15	
Organic I (atoms)	0.0000E+00	3.3943E+13	
Aerosols (kg)	0.0000E+00	6.9823E-10	

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway	Filtered	Transported
Time (h) = 0.4900			
Noble gases (atoms)	2.6002E+18	0.0000E+00	
Elemental I (atoms)	4.9763E+14	0.0000E+00	
Organic I (atoms)	1.5391E+13	0.0000E+00	
Aerosols (kg)	3.1795E-10	0.0000E+00	

MVP Holdup to Environment Transport Group Inventory:

	Pathway	Filtered	Transported
Time (h) = 0.4900			
Noble gases (atoms)	0.0000E+00	1.9217E+23	
Elemental I (atoms)	0.0000E+00	3.6947E+19	
Organic I (atoms)	0.0000E+00	1.1427E+18	
Aerosols (kg)	0.0000E+00	2.3498E-05	

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.4900	ci	kg	Atoms	Decay

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Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	1.3866E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	2.0646E+17
Kr-87	4.5255E+03	1.5977E-07	1.1059E+18	3.4499E+17
Kr-88	7.3774E+03	5.8835E-07	4.0263E+18	5.2066E+17
Rb-86	5.4949E-03	6.7532E-11	4.7289E+14	3.6493E+11
I-131	1.2736E+02	1.0273E-06	4.7225E+18	8.4625E+15
I-132	1.5809E+02	1.5316E-08	6.9873E+16	1.1320E+16
I-133	2.5087E+02	2.2146E-07	1.0027E+18	1.6793E+16
I-134	1.8962E+02	7.1079E-09	3.1944E+16	1.5414E+16
I-135	2.2703E+02	6.4645E-08	2.8837E+17	1.5471E+16
Xe-133	2.4430E+04	1.3051E-04	5.9096E+20	1.6240E+18
Xe-135	8.5343E+03	3.3419E-06	1.4908E+19	5.7715E+17
Cs-134	5.9297E-01	4.5830E-07	2.0597E+18	3.9366E+13
Cs-136	1.6485E-01	2.2493E-09	9.9601E+15	1.0950E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	1.9341E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.4900	Atmosphere	Sump	
Noble gases (atoms)	3.1157E+22	0.0000E+00	
Elemental I (atoms)	5.9320E+18	0.0000E+00	
Organic I (atoms)	1.8346E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.9823E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.4915E-06
Total I (Ci)			9.5296E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 0.4900	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.4900	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.5000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.5000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.6653E-04	2.5444E-03	2.4720E-04
Accumulated dose (rem)	1.8616E+00	2.5322E+01	2.6663E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.5000	Whole Body	Thyroid	TEDE
Delta dose (rem)	4.0064E-05	6.1211E-04	5.9471E-05
Accumulated dose (rem)	8.3292E-01	1.1328E+01	1.1929E+00

Control Room Doses:

Time (h) = 0.5000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.6867E-04	5.3224E-02	1.8561E-03
Accumulated dose (rem)	1.0030E-02	2.9664E+00	1.0420E-01

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DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	Ci	kg	Atoms	Decay
0.5000				
Kr-85	3.4536E+03	8.8028E-03	6.2367E+22	2.3634E+17
Kr-85m	5.1425E+04	6.2488E-02	4.4272E+23	3.5192E+18
Kr-87	7.4425E+04	2.6275E-06	1.8187E+19	5.8722E+18
Kr-88	1.2169E+05	9.7048E-06	6.6413E+19	8.8688E+18
Rb-86	9.0859E-02	1.1167E-09	7.8193E+15	6.2203E+12
I-131	2.1058E+03	1.6986E-05	7.8086E+19	1.4424E+17
I-132	2.6062E+03	2.5249E-07	1.1519E+18	1.9280E+17
I-133	4.1468E+03	3.6606E-06	1.6575E+19	2.8621E+17
I-134	3.1107E+03	1.1661E-07	5.2404E+17	2.6223E+17
I-135	3.7500E+03	1.0678E-06	4.7633E+18	2.6362E+17
Xe-133	4.0394E+05	2.1580E-03	9.7712E+21	2.7681E+19
Xe-135	1.4101E+05	5.5218E-05	2.4632E+20	9.8354E+18
Cs-134	9.8049E+00	7.5782E-06	3.4057E+19	6.7099E+14
Cs-136	2.7259E+00	3.7192E-08	1.6469E+17	1.8664E+14
Cs-137	4.8174E+00	5.5384E-05	2.4345E+20	3.2967E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	Atmosphere	Sump
0.5000		
Noble gases (atoms)	5.1519E+23	0.0000E+00
Elemental I (atoms)	9.8067E+19	0.0000E+00
Organic I (atoms)	3.0330E+18	0.0000E+00
Aerosols (kg)	6.3000E-05	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.8770E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		2.3586E-06
Total I (Ci)		1.5719E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.5000 Leakage Transport

Noble gases (atoms)	7.1554E+19
Elemental I (atoms)	1.3674E+16
Organic I (atoms)	4.2292E+14
Aerosols (kg)	8.7498E-09

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	Pathway	Transported
0.5000		
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) =	Ci	kg	Atoms	Bq
0.5000				
Kr-85	1.1228E+03	2.8618E-03	2.0275E+22	4.1543E+13
Kr-85m	1.6718E+04	2.0315E-02	1.4393E+23	6.1857E+14
Kr-87	2.9606E+04	1.0452E-06	7.2349E+18	1.0954E+15
Kr-88	4.3301E+04	3.4532E-06	2.3632E+19	1.6021E+15
Rb-86	2.9555E-02	3.6323E-10	2.5435E+15	1.0935E+09
I-131	6.8551E+02	5.5295E-06	2.5419E+19	2.5364E+13
I-132	9.4725E+02	9.1768E-08	4.1867E+17	3.5048E+13
I-133	1.3648E+03	1.2048E-06	5.4553E+18	5.0499E+13
I-134	1.3554E+03	5.0807E-08	2.2833E+17	5.0148E+13
I-135	1.2673E+03	3.6088E-07	1.6098E+18	4.6892E+13
Xe-133	1.3158E+05	7.0297E-04	3.1830E+21	4.8686E+15
Xe-135	4.7124E+04	1.8453E-05	8.2317E+19	1.7436E+15
Cs-134	3.1876E+00	2.4637E-06	1.1072E+19	1.1794E+11

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Cs-136	8.8689E-01	1.2101E-08	5.3584E+16	3.2815E+10
Cs-137	1.5661E+00	1.8005E-05	7.9145E+19	5.7946E+10

Environment Transport Group Inventory:

	Total	Release	
Time (h) = 0.5000	Release	Rate/s	
Noble gases (atoms)	1.6750E+23	9.3055E+19	
Elemental I (atoms)	3.2137E+19	1.7854E+16	
Organic I (atoms)	9.9394E+17	5.5219E+14	
Aerosols (kg)	2.0481E-05	1.1378E-08	
Dose Effective (Ci) I-131 (Thyroid)			9.5637E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2130E+03
Total I (Ci)			5.6203E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.5000 Leakage Transport

Noble gases (atoms)	7.1554E+19
Elemental I (atoms)	1.3674E+16
Organic I (atoms)	4.2292E+14
Aerosols (kg)	8.7498E-09

Normal Environment to Control Room Transport Group Inventory:

	Pathway	
Time (h) = 0.5000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.7166E+18
Elemental I (atoms)	0.0000E+00	1.0987E+15
Organic I (atoms)	0.0000E+00	3.3980E+13
Aerosols (kg)	0.0000E+00	6.9899E-10

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.5000	Filtered	Transported
Noble gases (atoms)	2.6491E+18	0.0000E+00
Elemental I (atoms)	5.0696E+14	0.0000E+00
Organic I (atoms)	1.5679E+13	0.0000E+00
Aerosols (kg)	3.2394E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.5000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.5000	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	1.4144E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	2.1061E+17
Kr-87	4.5009E+03	1.5890E-07	1.0999E+18	3.5100E+17
Kr-88	7.3594E+03	5.8691E-07	4.0164E+18	5.3047E+17
Rb-86	5.4949E-03	6.7531E-11	4.7289E+14	3.7225E+11
I-131	1.2735E+02	1.0273E-06	4.7224E+18	8.6322E+15
I-132	1.5761E+02	1.5270E-08	6.9663E+16	1.1531E+16
I-133	2.5078E+02	2.2138E-07	1.0024E+18	1.7127E+16
I-134	1.8812E+02	7.0519E-09	3.1692E+16	1.5665E+16
I-135	2.2679E+02	6.4578E-08	2.8807E+17	1.5773E+16

	CRDA	GAP	MVP	TRIP	10 MIN.00	
Xe-133	2.4429E+04	1.3051E-04	5.9093E+20	1.6566E+18		
Xe-135	8.5280E+03	3.3394E-06	1.4897E+19	5.8851E+17		
Cs-134	5.9297E-01	4.5830E-07	2.0597E+18	4.0156E+13		
Cs-136	1.6485E-01	2.2493E-09	9.9598E+15	1.1170E+13		
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	1.9729E+13		

MVP Holdup Transport Group Inventory:

Time (h) =	0.5000	Atmosphere	Sump	
Noble gases (atoms)	3.1157E+22	0.0000E+00		
Elemental I (atoms)	5.9308E+18	0.0000E+00		
Organic I (atoms)	1.8343E+17	0.0000E+00		
Aerosols (kg)	3.8100E-06	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.9820E-06	
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.4905E-06	
Total I (Ci)			9.5066E+02	

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	0.5000	Pathway	
		Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23	
Elemental I (atoms)	0.0000E+00	3.8180E+19	
Organic I (atoms)	0.0000E+00	1.1808E+18	
Aerosols (kg)	0.0000E+00	2.4281E-05	

MVP Holdup to Environment Transport Group Inventory:

Time (h) =	0.5000	Pathway	
		Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23	
Elemental I (atoms)	0.0000E+00	3.6947E+19	
Organic I (atoms)	0.0000E+00	1.1427E+18	
Aerosols (kg)	0.0000E+00	2.3498E-05	

Detailed model information at time (H) = 0.5100

CRDA @ EAB - Condenser Release Doses:

Time (h) =	0.5100	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.6608E-04	2.5439E-03	2.4673E-04	
Accumulated dose (rem)	1.8617E+00	2.5324E+01	2.6665E+00	

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	0.5100	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.9955E-05	6.1200E-04	5.9357E-05	
Accumulated dose (rem)	8.3296E-01	1.1329E+01	1.1930E+00	

Control Room Doses:

Time (h) =	0.5100	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.6587E-04	5.2475E-02	1.8295E-03	
Accumulated dose (rem)	1.0196E-02	3.0189E+00	1.0603E-01	

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	0.5100	Ci	kg	Atoms	Decay
Kr-85	3.4536E+03	8.8028E-03	6.2366E+22	2.4095E+17	
Kr-85m	5.1424E+04	6.2488E-02	4.4272E+23	3.5877E+18	
Kr-87	7.4020E+04	2.6132E-06	1.8088E+19	5.9710E+18	
Kr-88	1.2139E+05	9.6811E-06	6.6251E+19	9.0307E+18	
Rb-86	9.0857E-02	1.1166E-09	7.8192E+15	6.3413E+12	
I-131	2.1058E+03	1.6985E-05	7.8083E+19	1.4705E+17	

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I-132	2.5983E+03	2.5173E-07	1.1484E+18	1.9627E+17
I-133	4.1454E+03	3.6594E-06	1.6569E+19	2.9173E+17
I-134	3.0862E+03	1.1569E-07	5.1991E+17	2.6636E+17
I-135	3.7461E+03	1.0667E-06	4.7583E+18	2.6861E+17
Xe-133	4.0391E+05	2.1579E-03	9.7706E+21	2.8219E+19
Xe-135	1.4091E+05	5.5177E-05	2.4614E+20	1.0023E+19
Cs-134	9.8048E+00	7.5782E-06	3.4057E+19	6.8405E+14
Cs-136	2.7258E+00	3.7191E-08	1.6469E+17	1.9028E+14
Cs-137	4.8174E+00	5.5384E-05	2.4345E+20	3.3609E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 0.5100	Atmosphere	Sump	
Noble gases (atoms)	5.1518E+23	0.0000E+00	
Elemental I (atoms)	9.8046E+19	0.0000E+00	
Organic I (atoms)	3.0324E+18	0.0000E+00	
Aerosols (kg)	6.3000E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.8767E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.3576E-06
Total I (Ci)			1.5682E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.5100 Leakage Transport

Noble gases (atoms)	7.3701E+19
Elemental I (atoms)	1.4083E+16
Organic I (atoms)	4.3555E+14
Aerosols (kg)	9.0123E-09

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.5100	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 0.5100	Ci	kg	Atoms	Bq
Kr-85	1.1228E+03	2.8618E-03	2.0276E+22	4.1543E+13
Kr-85m	1.6718E+04	2.0315E-02	1.4393E+23	6.1858E+14
Kr-87	2.9606E+04	1.0452E-06	7.2349E+18	1.0954E+15
Kr-88	4.3302E+04	3.4533E-06	2.3632E+19	1.6022E+15
Rb-86	2.9555E-02	3.6323E-10	2.5435E+15	1.0935E+09
I-131	6.8552E+02	5.5295E-06	2.5420E+19	2.5364E+13
I-132	9.4726E+02	9.1770E-08	4.1867E+17	3.5049E+13
I-133	1.3648E+03	1.2048E-06	5.4554E+18	5.0499E+13
I-134	1.3554E+03	5.0807E-08	2.2833E+17	5.0149E+13
I-135	1.2674E+03	3.6088E-07	1.6098E+18	4.6892E+13
Xe-133	1.3158E+05	7.0298E-04	3.1830E+21	4.8686E+15
Xe-135	4.7125E+04	1.8453E-05	8.2318E+19	1.7436E+15
Cs-134	3.1876E+00	2.4637E-06	1.1072E+19	1.1794E+11
Cs-136	8.8690E-01	1.2101E-08	5.3584E+16	3.2815E+10
Cs-137	1.5661E+00	1.8005E-05	7.9146E+19	5.7947E+10

Environment Transport Group Inventory:

Time (h) = 0.5100	Total Release	Release Rate/s
Noble gases (atoms)	1.6750E+23	9.1231E+19
Elemental I (atoms)	3.2138E+19	1.7504E+16
Organic I (atoms)	9.9395E+17	5.4137E+14

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Aerosols (kg)	2.0482E-05	1.1156E-08	
Dose Effective (Ci) I-131 (Thyroid)			9.5639E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2131E+03
Total I (Ci)			5.6204E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 0.5100 Leakage Transport

Noble gases (atoms)	7.3701E+19
Elemental I (atoms)	1.4083E+16
Organic I (atoms)	4.3555E+14
Aerosols (kg)	9.0123E-09

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 0.5100	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.7228E+18
Elemental I (atoms)	0.0000E+00	1.0999E+15
Organic I (atoms)	0.0000E+00	3.4017E+13
Aerosols (kg)	0.0000E+00	6.9976E-10

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 0.5100	Pathway	
	Filtered	Transported
Noble gases (atoms)	2.6974E+18	0.0000E+00
Elemental I (atoms)	5.1616E+14	0.0000E+00
Organic I (atoms)	1.5964E+13	0.0000E+00
Aerosols (kg)	3.2984E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.5100	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.5100	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	1.4422E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	2.1475E+17
Kr-87	4.4765E+03	1.5804E-07	1.0939E+18	3.5698E+17
Kr-88	7.3415E+03	5.8548E-07	4.0066E+18	5.4026E+17
Rb-86	5.4948E-03	6.7530E-11	4.7288E+14	3.7957E+11
I-131	1.2735E+02	1.0272E-06	4.7222E+18	8.8018E+15
I-132	1.5714E+02	1.5224E-08	6.9453E+16	1.1740E+16
I-133	2.5070E+02	2.2131E-07	1.0021E+18	1.7461E+16
I-134	1.8664E+02	6.9964E-09	3.1443E+16	1.5915E+16
I-135	2.2655E+02	6.4510E-08	2.8777E+17	1.6075E+16
Xe-133	2.4427E+04	1.3050E-04	5.9090E+20	1.6891E+18
Xe-135	8.5216E+03	3.3369E-06	1.4886E+19	5.9987E+17
Cs-134	5.9297E-01	4.5830E-07	2.0597E+18	4.0945E+13
Cs-136	1.6485E-01	2.2492E-09	9.9596E+15	1.1389E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	2.0117E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.5100	Atmosphere	Sump
Noble gases (atoms)	3.1157E+22	0.0000E+00
Elemental I (atoms)	5.9295E+18	0.0000E+00

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Organic I (atoms)	1.8339E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.9817E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.4895E-06
Total I (Ci)			9.4838E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 0.5100		
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 0.5100		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.5200

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.5200	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.6563E-04	2.5435E-03	2.4626E-04
Accumulated dose (rem)	1.8619E+00	2.5327E+01	2.6668E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.5200	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.9846E-05	6.1190E-04	5.9244E-05
Accumulated dose (rem)	8.3300E-01	1.1330E+01	1.1931E+00

Control Room Doses:

Time (h) = 0.5200	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.6313E-04	5.1738E-02	1.8033E-03
Accumulated dose (rem)	1.0359E-02	3.0707E+00	1.0783E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.5200	Ci	kg	Atoms	Decay
Kr-85	3.4536E+03	8.8027E-03	6.2366E+22	2.4555E+17
Kr-85m	5.1424E+04	6.2487E-02	4.4271E+23	3.6562E+18
Kr-87	7.3617E+04	2.5990E-06	1.7990E+19	6.0693E+18
Kr-88	1.2110E+05	9.6575E-06	6.6089E+19	9.1922E+18
Rb-86	9.0856E-02	1.1166E-09	7.8190E+15	6.4623E+12
I-131	2.1057E+03	1.6985E-05	7.8080E+19	1.4985E+17
I-132	2.5905E+03	2.5097E-07	1.1450E+18	1.9972E+17
I-133	4.1440E+03	3.6581E-06	1.6564E+19	2.9725E+17
I-134	3.0618E+03	1.1478E-07	5.1582E+17	2.7045E+17
I-135	3.7421E+03	1.0656E-06	4.7533E+18	2.7360E+17
Xe-133	4.0389E+05	2.1577E-03	9.7700E+21	2.8757E+19
Xe-135	1.4080E+05	5.5136E-05	2.4595E+20	1.0211E+19
Cs-134	9.8048E+00	7.5781E-06	3.4057E+19	6.9711E+14
Cs-136	2.7257E+00	3.7190E-08	1.6468E+17	1.9391E+14
Cs-137	4.8173E+00	5.5383E-05	2.4345E+20	3.4250E+14

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DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	0.5200	Atmosphere	Sump	
Noble gases (atoms)		5.1518E+23	0.0000E+00	
Elemental I (atoms)		9.8026E+19	0.0000E+00	
Organic I (atoms)		3.0317E+18	0.0000E+00	
Aerosols (kg)		6.3000E-05	0.0000E+00	
Dose Effective (Ci/cc)		I-131 (Thyroid)		1.8763E-06
Dose Effective (Ci/cc)		I-131 (ICRP2 Thyroid)		2.3566E-06
Total I (Ci)				1.5644E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.5200 Leakage Transport

Noble gases (atoms)	7.5847E+19
Elemental I (atoms)	1.4491E+16
Organic I (atoms)	4.4819E+14
Aerosols (kg)	9.2748E-09

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

		Pathway	
Time (h) =	0.5200	Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18
Aerosols (kg)		0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) =	0.5200	Ci	kg	Atoms	Bq
Kr-85		1.1228E+03	2.8618E-03	2.0276E+22	4.1544E+13
Kr-85m		1.6718E+04	2.0315E-02	1.4393E+23	6.1858E+14
Kr-87		2.9607E+04	1.0452E-06	7.2350E+18	1.0954E+15
Kr-88		4.3302E+04	3.4533E-06	2.3632E+19	1.6022E+15
Rb-86		2.9556E-02	3.6324E-10	2.5436E+15	1.0936E+09
I-131		6.8553E+02	5.5296E-06	2.5420E+19	2.5365E+13
I-132		9.4727E+02	9.1771E-08	4.1868E+17	3.5049E+13
I-133		1.3649E+03	1.2048E-06	5.4555E+18	5.0500E+13
I-134		1.3554E+03	5.0808E-08	2.2834E+17	5.0149E+13
I-135		1.2674E+03	3.6089E-07	1.6099E+18	4.6893E+13
Xe-133		1.3159E+05	7.0299E-04	3.1831E+21	4.8687E+15
Xe-135		4.7125E+04	1.8454E-05	8.2319E+19	1.7436E+15
Cs-134		3.1877E+00	2.4637E-06	1.1072E+19	1.1794E+11
Cs-136		8.8692E-01	1.2101E-08	5.3585E+16	3.2816E+10
Cs-137		1.5662E+00	1.8006E-05	7.9147E+19	5.7948E+10

Environment Transport Group Inventory:

		Total	Release	
Time (h) =	0.5200	Release	Rate/s	
Noble gases (atoms)		1.6750E+23	8.9478E+19	
Elemental I (atoms)		3.2138E+19	1.7168E+16	
Organic I (atoms)		9.9397E+17	5.3096E+14	
Aerosols (kg)		2.0482E-05	1.0941E-08	
Dose Effective (Ci)		I-131 (Thyroid)		9.5640E+02
Dose Effective (Ci)		I-131 (ICRP2 Thyroid)		1.2131E+03
Total I (Ci)				5.6204E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.5200 Leakage Transport

Noble gases (atoms)	7.5847E+19
Elemental I (atoms)	1.4491E+16

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Organic I (atoms) 4.4819E+14
 Aerosols (kg) 9.2748E-09

Normal Environment to Control Room Transport Group Inventory:

	Pathway	
Time (h) = 0.5200	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.7290E+18
Elemental I (atoms)	0.0000E+00	1.1011E+15
Organic I (atoms)	0.0000E+00	3.4053E+13
Aerosols (kg)	0.0000E+00	7.0052E-10

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.5200	Filtered	Transported
Noble gases (atoms)	2.7451E+18	0.0000E+00
Elemental I (atoms)	5.2522E+14	0.0000E+00
Organic I (atoms)	1.6244E+13	0.0000E+00
Aerosols (kg)	3.3567E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.5200	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.5200	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	1.4701E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	2.1889E+17
Kr-87	4.4521E+03	1.5718E-07	1.0880E+18	3.6292E+17
Kr-88	7.3236E+03	5.8405E-07	3.9969E+18	5.5003E+17
Rb-86	5.4947E-03	6.7529E-11	4.7287E+14	3.8689E+11
I-131	1.2735E+02	1.0272E-06	4.7220E+18	8.9714E+15
I-132	1.5667E+02	1.5178E-08	6.9244E+16	1.1949E+16
I-133	2.5062E+02	2.2123E-07	1.0017E+18	1.7795E+16
I-134	1.8517E+02	6.9413E-09	3.1195E+16	1.6163E+16
I-135	2.2631E+02	6.4442E-08	2.8747E+17	1.6376E+16
Xe-133	2.4426E+04	1.3049E-04	5.9086E+20	1.7216E+18
Xe-135	8.5153E+03	3.3344E-06	1.4874E+19	6.1121E+17
Cs-134	5.9297E-01	4.5830E-07	2.0597E+18	4.1735E+13
Cs-136	1.6484E-01	2.2492E-09	9.9594E+15	1.1609E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	2.0505E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.5200	Atmosphere	Sump	
Noble gases (atoms)	3.1157E+22	0.0000E+00	
Elemental I (atoms)	5.9283E+18	0.0000E+00	
Organic I (atoms)	1.8335E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.9813E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.4885E-06
Total I (Ci)			9.4611E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.5200	Pathway	
	Filtered	Transported

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Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.5200	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.5300

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.5300	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.6518E-04	2.5430E-03	2.4579E-04
Accumulated dose (rem)	1.8621E+00	2.5329E+01	2.6670E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.5300	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.9737E-05	6.1179E-04	5.9131E-05
Accumulated dose (rem)	8.3304E-01	1.1330E+01	1.1931E+00

Control Room Doses:

Time (h) = 0.5300	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.6043E-04	5.1012E-02	1.7775E-03
Accumulated dose (rem)	1.0520E-02	3.1217E+00	1.0961E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.5300	Ci	kg	Atoms	Decay
Kr-85	3.4536E+03	8.8027E-03	6.2366E+22	2.5015E+17
Kr-85m	5.1424E+04	6.2487E-02	4.4271E+23	3.7247E+18
Kr-87	7.3217E+04	2.5848E-06	1.7892E+19	6.1671E+18
Kr-88	1.2080E+05	9.6339E-06	6.5928E+19	9.3533E+18
Rb-86	9.0854E-02	1.1166E-09	7.8189E+15	6.5833E+12
I-131	2.1056E+03	1.6984E-05	7.8077E+19	1.5266E+17
I-132	2.5827E+03	2.5021E-07	1.1415E+18	2.0317E+17
I-133	4.1426E+03	3.6569E-06	1.6558E+19	3.0277E+17
I-134	3.0377E+03	1.1387E-07	5.1175E+17	2.7451E+17
I-135	3.7382E+03	1.0644E-06	4.7483E+18	2.7858E+17
Xe-133	4.0386E+05	2.1576E-03	9.7695E+21	2.9295E+19
Xe-135	1.4070E+05	5.5094E-05	2.4577E+20	1.0398E+19
Cs-134	9.8048E+00	7.5781E-06	3.4057E+19	7.1017E+14
Cs-136	2.7256E+00	3.7189E-08	1.6468E+17	1.9754E+14
Cs-137	4.8173E+00	5.5383E-05	2.4345E+20	3.4892E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 0.5300	Atmosphere	Sump	
Noble gases (atoms)	5.1518E+23	0.0000E+00	
Elemental I (atoms)	9.8005E+19	0.0000E+00	
Organic I (atoms)	3.0311E+18	0.0000E+00	
Aerosols (kg)	6.3000E-05	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.8760E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.3557E-06
Total I (Ci)			1.5607E+04

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DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 0.5300 Leakage Transport

Noble gases (atoms)	7.7994E+19
Elemental I (atoms)	1.4900E+16
Organic I (atoms)	4.6082E+14
Aerosols (kg)	9.5373E-09

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.5300	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 0.5300	Ci	kg	Atoms	Bq
Kr-85	1.1228E+03	2.8619E-03	2.0276E+22	4.1544E+13
Kr-85m	1.6719E+04	2.0315E-02	1.4393E+23	6.1859E+14
Kr-87	2.9607E+04	1.0452E-06	7.2351E+18	1.0955E+15
Kr-88	4.3303E+04	3.4534E-06	2.3633E+19	1.6022E+15
Rb-86	2.9556E-02	3.6324E-10	2.5436E+15	1.0936E+09
I-131	6.8554E+02	5.5297E-06	2.5420E+19	2.5365E+13
I-132	9.4728E+02	9.1772E-08	4.1868E+17	3.5049E+13
I-133	1.3649E+03	1.2049E-06	5.4555E+18	5.0501E+13
I-134	1.3554E+03	5.0808E-08	2.2834E+17	5.0150E+13
I-135	1.2674E+03	3.6089E-07	1.6099E+18	4.6894E+13
Xe-133	1.3159E+05	7.0300E-04	3.1831E+21	4.8688E+15
Xe-135	4.7126E+04	1.8454E-05	8.2320E+19	1.7437E+15
Cs-134	3.1877E+00	2.4638E-06	1.1073E+19	1.1795E+11
Cs-136	8.8693E-01	1.2101E-08	5.3586E+16	3.2816E+10
Cs-137	1.5662E+00	1.8006E-05	7.9148E+19	5.7949E+10

Environment Transport Group Inventory:

Time (h) = 0.5300	Total Release	Release Rate/s	
Noble gases (atoms)	1.6750E+23	8.7791E+19	
Elemental I (atoms)	3.2139E+19	1.6844E+16	
Organic I (atoms)	9.9398E+17	5.2095E+14	
Aerosols (kg)	2.0482E-05	1.0735E-08	
Dose Effective (Ci) I-131 (Thyroid)			9.5641E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2131E+03
Total I (Ci)			5.6205E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 0.5300 Leakage Transport

Noble gases (atoms)	7.7994E+19
Elemental I (atoms)	1.4900E+16
Organic I (atoms)	4.6082E+14
Aerosols (kg)	9.5373E-09

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 0.5300	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.7352E+18
Elemental I (atoms)	0.0000E+00	1.1022E+15
Organic I (atoms)	0.0000E+00	3.4090E+13

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Aerosols (kg) 0.0000E+00 7.0128E-10

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.5300	Filtered	Transported
Noble gases (atoms)	2.7920E+18	0.0000E+00
Elemental I (atoms)	5.3416E+14	0.0000E+00
Organic I (atoms)	1.6520E+13	0.0000E+00
Aerosols (kg)	3.4141E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.5300	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.5300	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	1.4979E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	2.2303E+17
Kr-87	4.4279E+03	1.5632E-07	1.0821E+18	3.6884E+17
Kr-88	7.3057E+03	5.8263E-07	3.9871E+18	5.5977E+17
Rb-86	5.4946E-03	6.7528E-11	4.7287E+14	3.9421E+11
I-131	1.2734E+02	1.0271E-06	4.7219E+18	9.1411E+15
I-132	1.5620E+02	1.5132E-08	6.9036E+16	1.2158E+16
I-133	2.5053E+02	2.2116E-07	1.0014E+18	1.8129E+16
I-134	1.8371E+02	6.8866E-09	3.0949E+16	1.6408E+16
I-135	2.2607E+02	6.4375E-08	2.8717E+17	1.6678E+16
Xe-133	2.4425E+04	1.3049E-04	5.9083E+20	1.7542E+18
Xe-135	8.5089E+03	3.3320E-06	1.4863E+19	6.2255E+17
Cs-134	5.9297E-01	4.5830E-07	2.0597E+18	4.2525E+13
Cs-136	1.6484E-01	2.2491E-09	9.9592E+15	1.1829E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	2.0893E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.5300	Atmosphere	Sump	
Noble gases (atoms)	3.1157E+22	0.0000E+00	
Elemental I (atoms)	5.9271E+18	0.0000E+00	
Organic I (atoms)	1.8331E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.9810E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.4875E-06
Total I (Ci)			9.4386E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 0.5300	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.5300	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23

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Elemental I (atoms) 0.0000E+00 3.6947E+19
 Organic I (atoms) 0.0000E+00 1.1427E+18
 Aerosols (kg) 0.0000E+00 2.3498E-05

Detailed model information at time (H) = 0.5400

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.5400 whole Body Thyroid TEDE
 Delta dose (rem) 1.6473E-04 2.5426E-03 2.4532E-04
 Accumulated dose (rem) 1.8622E+00 2.5332E+01 2.6673E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.5400 whole Body Thyroid TEDE
 Delta dose (rem) 3.9629E-05 6.1169E-04 5.9019E-05
 Accumulated dose (rem) 8.3307E-01 1.1331E+01 1.1932E+00

Control Room Doses:

Time (h) = 0.5400 whole Body Thyroid TEDE
 Delta dose (rem) 1.5778E-04 5.0299E-02 1.7522E-03
 Accumulated dose (rem) 1.0678E-02 3.1720E+00 1.1136E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.5400	Ci	kg	Atoms	Decay
Kr-85	3.4536E+03	8.8027E-03	6.2366E+22	2.5475E+17
Kr-85m	5.1424E+04	6.2487E-02	4.4271E+23	3.7932E+18
Kr-87	7.2818E+04	2.5708E-06	1.7795E+19	6.2644E+18
Kr-88	1.2051E+05	9.6103E-06	6.5767E+19	9.5140E+18
Rb-86	9.0852E-02	1.1166E-09	7.8187E+15	6.7043E+12
I-131	2.1055E+03	1.6983E-05	7.8073E+19	1.5546E+17
I-132	2.5749E+03	2.4946E-07	1.1381E+18	2.0660E+17
I-133	4.1412E+03	3.6557E-06	1.6553E+19	3.0828E+17
I-134	3.0138E+03	1.1297E-07	5.0772E+17	2.7854E+17
I-135	3.7342E+03	1.0633E-06	4.7433E+18	2.8356E+17
Xe-133	4.0384E+05	2.1575E-03	9.7689E+21	2.9833E+19
Xe-135	1.4059E+05	5.5053E-05	2.4558E+20	1.0586E+19
Cs-134	9.8047E+00	7.5781E-06	3.4057E+19	7.2323E+14
Cs-136	2.7256E+00	3.7188E-08	1.6467E+17	2.0117E+14
Cs-137	4.8173E+00	5.5383E-05	2.4345E+20	3.5534E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 0.5400	Atmosphere	Sump
Noble gases (atoms)	5.1517E+23	0.0000E+00
Elemental I (atoms)	9.7985E+19	0.0000E+00
Organic I (atoms)	3.0305E+18	0.0000E+00
Aerosols (kg)	6.2999E-05	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.8757E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		2.3547E-06
Total I (Ci)		1.5570E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.5400 Leakage Transport

Noble gases (atoms) 8.0141E+19
 Elemental I (atoms) 1.5308E+16
 Organic I (atoms) 4.7345E+14
 Aerosols (kg) 9.7998E-09

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

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	Pathway	
	Filtered	Transported
Time (h) = 0.5400		
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 0.5400	Ci	kg	Atoms	Bq
Kr-85	1.1228E+03	2.8619E-03	2.0276E+22	4.1545E+13
Kr-85m	1.6719E+04	2.0316E-02	1.4393E+23	6.1860E+14
Kr-87	2.9607E+04	1.0452E-06	7.2352E+18	1.0955E+15
Kr-88	4.3303E+04	3.4534E-06	2.3633E+19	1.6022E+15
Rb-86	2.9556E-02	3.6325E-10	2.5436E+15	1.0936E+09
I-131	6.8555E+02	5.5297E-06	2.5421E+19	2.5365E+13
I-132	9.4729E+02	9.1773E-08	4.1869E+17	3.5050E+13
I-133	1.3649E+03	1.2049E-06	5.4556E+18	5.0501E+13
I-134	1.3554E+03	5.0809E-08	2.2834E+17	5.0150E+13
I-135	1.2674E+03	3.6089E-07	1.6099E+18	4.6894E+13
Xe-133	1.3159E+05	7.0301E-04	3.1832E+21	4.8688E+15
Xe-135	4.7127E+04	1.8454E-05	8.2321E+19	1.7437E+15
Cs-134	3.1877E+00	2.4638E-06	1.1073E+19	1.1795E+11
Cs-136	8.8694E-01	1.2102E-08	5.3586E+16	3.2817E+10
Cs-137	1.5662E+00	1.8006E-05	7.9150E+19	5.7949E+10

Environment Transport Group Inventory:

Time (h) = 0.5400	Total Release	Release Rate/s	
Noble gases (atoms)	1.6751E+23	8.6166E+19	
Elemental I (atoms)	3.2139E+19	1.6532E+16	
Organic I (atoms)	9.9399E+17	5.1131E+14	
Aerosols (kg)	2.0482E-05	1.0536E-08	
Dose Effective (Ci) I-131 (Thyroid)			9.5642E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2131E+03
Total I (Ci)			5.6206E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.5400 Leakage Transport

Noble gases (atoms)	8.0141E+19
Elemental I (atoms)	1.5308E+16
Organic I (atoms)	4.7345E+14
Aerosols (kg)	9.7998E-09

Normal Environment to Control Room Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 0.5400		
Noble gases (atoms)	0.0000E+00	5.7414E+18
Elemental I (atoms)	0.0000E+00	1.1034E+15
Organic I (atoms)	0.0000E+00	3.4126E+13
Aerosols (kg)	0.0000E+00	7.0204E-10

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 0.5400		
Noble gases (atoms)	2.8384E+18	0.0000E+00
Elemental I (atoms)	5.4297E+14	0.0000E+00
Organic I (atoms)	1.6793E+13	0.0000E+00
Aerosols (kg)	3.4708E-10	0.0000E+00

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MVP Holdup to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 0.5400		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.5400	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	1.5257E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	2.2718E+17
Kr-87	4.4039E+03	1.5547E-07	1.0762E+18	3.7472E+17
Kr-88	7.2879E+03	5.8121E-07	3.9774E+18	5.6949E+17
Rb-86	5.4945E-03	6.7527E-11	4.7286E+14	4.0153E+11
I-131	1.2734E+02	1.0271E-06	4.7217E+18	9.3107E+15
I-132	1.5573E+02	1.5087E-08	6.8828E+16	1.2365E+16
I-133	2.5045E+02	2.2109E-07	1.0011E+18	1.8462E+16
I-134	1.8227E+02	6.8324E-09	3.0706E+16	1.6652E+16
I-135	2.2584E+02	6.4307E-08	2.8686E+17	1.6979E+16
Xe-133	2.4423E+04	1.3048E-04	5.9080E+20	1.7867E+18
Xe-135	8.5026E+03	3.3295E-06	1.4852E+19	6.3388E+17
Cs-134	5.9296E-01	4.5830E-07	2.0597E+18	4.3315E+13
Cs-136	1.6484E-01	2.2491E-09	9.9590E+15	1.2048E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	2.1282E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.5400	Atmosphere	Sump	
Noble gases (atoms)	3.1156E+22	0.0000E+00	
Elemental I (atoms)	5.9259E+18	0.0000E+00	
Organic I (atoms)	1.8327E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.9807E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.4865E-06
Total I (Ci)			9.4161E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 0.5400		
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 0.5400		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.5500

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.5500	whole Body	Thyroid	TEDE
Delta dose (rem)	1.6428E-04	2.5422E-03	2.4486E-04

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Accumulated dose (rem) 1.8624E+00 2.5334E+01 2.6675E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	0.5500	Whole Body	Thyroid	TEDE
Delta dose (rem)		3.9521E-05	6.1158E-04	5.8907E-05
Accumulated dose (rem)		8.3311E-01	1.1331E+01	1.1932E+00

Control Room Doses:

Time (h) =	0.5500	Whole Body	Thyroid	TEDE
Delta dose (rem)		1.5518E-04	4.9596E-02	1.7272E-03
Accumulated dose (rem)		1.0833E-02	3.2216E+00	1.1309E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	0.5500	Ci	kg	Atoms	Decay
Kr-85		3.4536E+03	8.8026E-03	6.2365E+22	2.5935E+17
Kr-85m		5.1423E+04	6.2486E-02	4.4271E+23	3.8616E+18
Kr-87		7.2422E+04	2.5568E-06	1.7698E+19	6.3611E+18
Kr-88		1.2021E+05	9.5869E-06	6.5606E+19	9.6743E+18
Rb-86		9.0850E-02	1.1165E-09	7.8186E+15	6.8253E+12
I-131		2.1054E+03	1.6983E-05	7.8070E+19	1.5827E+17
I-132		2.5672E+03	2.4871E-07	1.1346E+18	2.1003E+17
I-133		4.1398E+03	3.6544E-06	1.6547E+19	3.1380E+17
I-134		2.9900E+03	1.1208E-07	5.0372E+17	2.8254E+17
I-135		3.7303E+03	1.0622E-06	4.7383E+18	2.8853E+17
Xe-133		4.0382E+05	2.1574E-03	9.7683E+21	3.0371E+19
Xe-135		1.4049E+05	5.5012E-05	2.4540E+20	1.0773E+19
Cs-134		9.8047E+00	7.5780E-06	3.4057E+19	7.3629E+14
Cs-136		2.7255E+00	3.7187E-08	1.6467E+17	2.0480E+14
Cs-137		4.8173E+00	5.5383E-05	2.4345E+20	3.6175E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	0.5500	Atmosphere	Sump
Noble gases (atoms)		5.1517E+23	0.0000E+00
Elemental I (atoms)		9.7964E+19	0.0000E+00
Organic I (atoms)		3.0298E+18	0.0000E+00
Aerosols (kg)		6.2999E-05	0.0000E+00
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.8754E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.3538E-06
Total I (Ci)			1.5533E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.5500 Leakage Transport

Noble gases (atoms)	8.2287E+19
Elemental I (atoms)	1.5716E+16
Organic I (atoms)	4.8608E+14
Aerosols (kg)	1.0062E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) =	0.5500	Filtered Transported
Noble gases (atoms)		0.0000E+00 1.9857E+23
Elemental I (atoms)		0.0000E+00 3.8180E+19
Organic I (atoms)		0.0000E+00 1.1808E+18
Aerosols (kg)		0.0000E+00 2.4281E-05

Environment Integral Nuclide Release:

Time (h) =	0.5500	Ci	kg	Atoms	Bq
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Kr-85	1.1228E+03	2.8620E-03	2.0277E+22	4.1545E+13
Kr-85m	1.6719E+04	2.0316E-02	1.4394E+23	6.1861E+14
Kr-87	2.9607E+04	1.0453E-06	7.2352E+18	1.0955E+15
Kr-88	4.3304E+04	3.4534E-06	2.3633E+19	1.6022E+15
Rb-86	2.9557E-02	3.6325E-10	2.5437E+15	1.0936E+09
I-131	6.8556E+02	5.5298E-06	2.5421E+19	2.5366E+13
I-132	9.4730E+02	9.1774E-08	4.1869E+17	3.5050E+13
I-133	1.3649E+03	1.2049E-06	5.4557E+18	5.0502E+13
I-134	1.3554E+03	5.0809E-08	2.2834E+17	5.0151E+13
I-135	1.2674E+03	3.6090E-07	1.6099E+18	4.6895E+13
Xe-133	1.3159E+05	7.0302E-04	3.1832E+21	4.8689E+15
Xe-135	4.7127E+04	1.8454E-05	8.2322E+19	1.7437E+15
Cs-134	3.1878E+00	2.4638E-06	1.1073E+19	1.1795E+11
Cs-136	8.8695E-01	1.2102E-08	5.3587E+16	3.2817E+10
Cs-137	1.5662E+00	1.8006E-05	7.9151E+19	5.7950E+10

Environment Transport Group Inventory:

Time (h) = 0.5500	Total Release	Release Rate/s	
Noble gases (atoms)	1.6751E+23	8.4601E+19	
Elemental I (atoms)	3.2139E+19	1.6232E+16	
Organic I (atoms)	9.9400E+17	5.0202E+14	
Aerosols (kg)	2.0483E-05	1.0345E-08	
Dose Effective (Ci) I-131 (Thyroid)			9.5643E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2131E+03
Total I (Ci)			5.6206E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.5500 Leakage Transport

Noble gases (atoms)	8.2287E+19
Elemental I (atoms)	1.5716E+16
Organic I (atoms)	4.8608E+14
Aerosols (kg)	1.0062E-08

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 0.5500	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.7477E+18
Elemental I (atoms)	0.0000E+00	1.1046E+15
Organic I (atoms)	0.0000E+00	3.4163E+13
Aerosols (kg)	0.0000E+00	7.0280E-10

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 0.5500	Pathway Filtered	Transported
Noble gases (atoms)	2.8841E+18	0.0000E+00
Elemental I (atoms)	5.5166E+14	0.0000E+00
Organic I (atoms)	1.7062E+13	0.0000E+00
Aerosols (kg)	3.5267E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.5500	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

CRDA GAP MVP TRIP 10 MIN.o0

MVP Holdup Compartment Nuclide Inventory:

Time (h) =	Ci	kg	Atoms	Decay
0.5500				
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	1.5535E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	2.3132E+17
Kr-87	4.3799E+03	1.5463E-07	1.0703E+18	3.8057E+17
Kr-88	7.2702E+03	5.7979E-07	3.9677E+18	5.7919E+17
Rb-86	5.4944E-03	6.7526E-11	4.7285E+14	4.0885E+11
I-131	1.2733E+02	1.0271E-06	4.7215E+18	9.4803E+15
I-132	1.5526E+02	1.5041E-08	6.8621E+16	1.2573E+16
I-133	2.5037E+02	2.2101E-07	1.0007E+18	1.8796E+16
I-134	1.8083E+02	6.7786E-09	3.0464E+16	1.6894E+16
I-135	2.2560E+02	6.4240E-08	2.8656E+17	1.7279E+16
Xe-133	2.4422E+04	1.3047E-04	5.9077E+20	1.8192E+18
Xe-135	8.4962E+03	3.3270E-06	1.4841E+19	6.4520E+17
Cs-134	5.9296E-01	4.5830E-07	2.0597E+18	4.4105E+13
Cs-136	1.6483E-01	2.2490E-09	9.9587E+15	1.2268E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	2.1670E+13

MVP Holdup Transport Group Inventory:

Time (h) =	Atmosphere	Sump
0.5500		
Noble gases (atoms)	3.1156E+22	0.0000E+00
Elemental I (atoms)	5.9247E+18	0.0000E+00
Organic I (atoms)	1.8324E+17	0.0000E+00
Aerosols (kg)	3.8100E-06	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.9803E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		2.4855E-06
Total I (Ci)		9.3939E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	Pathway	
	Filtered	Transported
0.5500		
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) =	Pathway	
	Filtered	Transported
0.5500		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.5600

CRDA @ EAB - Condenser Release Doses:

Time (h) =	Whole Body	Thyroid	TEDE
0.5600			
Delta dose (rem)	1.6383E-04	2.5417E-03	2.4439E-04
Accumulated dose (rem)	1.8625E+00	2.5337E+01	2.6678E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	Whole Body	Thyroid	TEDE
0.5600			
Delta dose (rem)	3.9414E-05	6.1148E-04	5.8795E-05
Accumulated dose (rem)	8.3315E-01	1.1332E+01	1.1933E+00

Control Room Doses:

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Time (h) = 0.5600	whole Body	Thyroid	TEDE
Delta dose (rem)	1.5263E-04	4.8906E-02	1.7027E-03
Accumulated dose (rem)	1.0985E-02	3.2705E+00	1.1479E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.5600	Ci	kg	Atoms	Decay
Kr-85	3.4536E+03	8.8026E-03	6.2365E+22	2.6395E+17
Kr-85m	5.1423E+04	6.2486E-02	4.4271E+23	3.9301E+18
Kr-87	7.2028E+04	2.5429E-06	1.7602E+19	6.4573E+18
Kr-88	1.1992E+05	9.5635E-06	6.5446E+19	9.8342E+18
Rb-86	9.0848E-02	1.1165E-09	7.8184E+15	6.9464E+12
I-131	2.1053E+03	1.6982E-05	7.8067E+19	1.6107E+17
I-132	2.5594E+03	2.4796E-07	1.1312E+18	2.1344E+17
I-133	4.1384E+03	3.6532E-06	1.6541E+19	3.1931E+17
I-134	2.9665E+03	1.1120E-07	4.9975E+17	2.8651E+17
I-135	3.7264E+03	1.0611E-06	4.7333E+18	2.9349E+17
Xe-133	4.0379E+05	2.1572E-03	9.7678E+21	3.0909E+19
Xe-135	1.4038E+05	5.4971E-05	2.4522E+20	1.0960E+19
Cs-134	9.8046E+00	7.5780E-06	3.4056E+19	7.4935E+14
Cs-136	2.7254E+00	3.7187E-08	1.6466E+17	2.0843E+14
Cs-137	4.8173E+00	5.5382E-05	2.4345E+20	3.6817E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 0.5600	Atmosphere	Sump	
Noble gases (atoms)	5.1517E+23	0.0000E+00	
Elemental I (atoms)	9.7944E+19	0.0000E+00	
Organic I (atoms)	3.0292E+18	0.0000E+00	
Aerosols (kg)	6.2999E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.8751E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.3529E-06
Total I (Ci)			1.5496E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.5600 Leakage Transport

Noble gases (atoms)	8.4434E+19
Elemental I (atoms)	1.6125E+16
Organic I (atoms)	4.9870E+14
Aerosols (kg)	1.0325E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 0.5600	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 0.5600	Ci	kg	Atoms	Bq
Kr-85	1.1229E+03	2.8620E-03	2.0277E+22	4.1546E+13
Kr-85m	1.6719E+04	2.0316E-02	1.4394E+23	6.1862E+14
Kr-87	2.9608E+04	1.0453E-06	7.2353E+18	1.0955E+15
Kr-88	4.3304E+04	3.4535E-06	2.3633E+19	1.6022E+15
Rb-86	2.9557E-02	3.6326E-10	2.5437E+15	1.0936E+09
I-131	6.8557E+02	5.5299E-06	2.5421E+19	2.5366E+13
I-132	9.4731E+02	9.1775E-08	4.1870E+17	3.5051E+13
I-133	1.3649E+03	1.2049E-06	5.4557E+18	5.0502E+13
I-134	1.3554E+03	5.0810E-08	2.2835E+17	5.0151E+13
I-135	1.2674E+03	3.6090E-07	1.6099E+18	4.6895E+13

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Xe-133	1.3159E+05	7.0302E-04	3.1832E+21	4.8690E+15
Xe-135	4.7128E+04	1.8455E-05	8.2323E+19	1.7437E+15
Cs-134	3.1878E+00	2.4639E-06	1.1073E+19	1.1795E+11
Cs-136	8.8696E-01	1.2102E-08	5.3588E+16	3.2818E+10
Cs-137	1.5662E+00	1.8006E-05	7.9152E+19	5.7951E+10

Environment Transport Group Inventory:

	Total Release	Release Rate/s	
Time (h) = 0.5600			
Noble gases (atoms)	1.6751E+23	8.3091E+19	
Elemental I (atoms)	3.2140E+19	1.5942E+16	
Organic I (atoms)	9.9402E+17	4.9306E+14	
Aerosols (kg)	2.0483E-05	1.0160E-08	
Dose Effective (Ci) I-131 (Thyroid)			9.5645E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2131E+03
Total I (Ci)			5.6207E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.5600 Leakage Transport

Noble gases (atoms)	8.4434E+19
Elemental I (atoms)	1.6125E+16
Organic I (atoms)	4.9870E+14
Aerosols (kg)	1.0325E-08

Normal Environment to Control Room Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 0.5600		
Noble gases (atoms)	0.0000E+00	5.7539E+18
Elemental I (atoms)	0.0000E+00	1.1058E+15
Organic I (atoms)	0.0000E+00	3.4200E+13
Aerosols (kg)	0.0000E+00	7.0356E-10

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 0.5600		
Noble gases (atoms)	2.9291E+18	0.0000E+00
Elemental I (atoms)	5.6023E+14	0.0000E+00
Organic I (atoms)	1.7327E+13	0.0000E+00
Aerosols (kg)	3.5817E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 0.5600		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.5600	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	1.5813E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	2.3546E+17
Kr-87	4.3561E+03	1.5379E-07	1.0645E+18	3.8639E+17
Kr-88	7.2524E+03	5.7838E-07	3.9581E+18	5.8886E+17
Rb-86	5.4943E-03	6.7525E-11	4.7284E+14	4.1617E+11
I-131	1.2733E+02	1.0270E-06	4.7214E+18	9.6499E+15
I-132	1.5479E+02	1.4996E-08	6.8415E+16	1.2779E+16

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I-133	2.5028E+02	2.2094E-07	1.0004E+18	1.9129E+16
I-134	1.7941E+02	6.7252E-09	3.0224E+16	1.7134E+16
I-135	2.2536E+02	6.4173E-08	2.8626E+17	1.7580E+16
Xe-133	2.4421E+04	1.3046E-04	5.9074E+20	1.8518E+18
Xe-135	8.4899E+03	3.3245E-06	1.4830E+19	6.5651E+17
Cs-134	5.9296E-01	4.5830E-07	2.0597E+18	4.4895E+13
Cs-136	1.6483E-01	2.2490E-09	9.9585E+15	1.2487E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	2.2058E+13

MVP Holdup Transport Group Inventory:

Time (h) =	0.5600	Atmosphere	Sump	
Noble gases (atoms)	3.1156E+22	0.0000E+00		
Elemental I (atoms)	5.9234E+18	0.0000E+00		
Organic I (atoms)	1.8320E+17	0.0000E+00		
Aerosols (kg)	3.8100E-06	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)			1.9800E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)			2.4845E-06
Total I (Ci)				9.3717E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

		Pathway	
Time (h) =	0.5600	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23	
Elemental I (atoms)	0.0000E+00	3.8180E+19	
Organic I (atoms)	0.0000E+00	1.1808E+18	
Aerosols (kg)	0.0000E+00	2.4281E-05	

MVP Holdup to Environment Transport Group Inventory:

		Pathway	
Time (h) =	0.5600	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23	
Elemental I (atoms)	0.0000E+00	3.6947E+19	
Organic I (atoms)	0.0000E+00	1.1427E+18	
Aerosols (kg)	0.0000E+00	2.3498E-05	

Detailed model information at time (H) = 0.5700

CRDA @ EAB - Condenser Release Doses:

Time (h) =	0.5700	Whole Body	Thyroid	TEDE
Delta dose (rem)		1.6339E-04	2.5413E-03	2.4393E-04
Accumulated dose (rem)		1.8627E+00	2.5339E+01	2.6680E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	0.5700	Whole Body	Thyroid	TEDE
Delta dose (rem)		3.9307E-05	6.1137E-04	5.8684E-05
Accumulated dose (rem)		8.3319E-01	1.1333E+01	1.1934E+00

Control Room Doses:

Time (h) =	0.5700	Whole Body	Thyroid	TEDE
Delta dose (rem)		1.5013E-04	4.8226E-02	1.6786E-03
Accumulated dose (rem)		1.1135E-02	3.3187E+00	1.1647E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	0.5700	Ci	kg	Atoms	Decay
Kr-85		3.4535E+03	8.8026E-03	6.2365E+22	2.6855E+17
Kr-85m		5.1423E+04	6.2486E-02	4.4270E+23	3.9986E+18
Kr-87		7.1636E+04	2.5290E-06	1.7506E+19	6.5530E+18

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Kr-88	1.1963E+05	9.5401E-06	6.5286E+19	9.9938E+18
Rb-86	9.0847E-02	1.1165E-09	7.8183E+15	7.0674E+12
I-131	2.1053E+03	1.6981E-05	7.8064E+19	1.6387E+17
I-132	2.5517E+03	2.4721E-07	1.1278E+18	2.1685E+17
I-133	4.1370E+03	3.6520E-06	1.6536E+19	3.2482E+17
I-134	2.9431E+03	1.1032E-07	4.9581E+17	2.9044E+17
I-135	3.7225E+03	1.0600E-06	4.7284E+18	2.9846E+17
Xe-133	4.0377E+05	2.1571E-03	9.7672E+21	3.1447E+19
Xe-135	1.4027E+05	5.4929E-05	2.4503E+20	1.1147E+19
Cs-134	9.8046E+00	7.5780E-06	3.4056E+19	7.6241E+14
Cs-136	2.7254E+00	3.7186E-08	1.6466E+17	2.1206E+14
Cs-137	4.8172E+00	5.5382E-05	2.4344E+20	3.7459E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	0.5700	Atmosphere	Sump	
Noble gases (atoms)	5.1516E+23	0.0000E+00		
Elemental I (atoms)	9.7923E+19	0.0000E+00		
Organic I (atoms)	3.0286E+18	0.0000E+00		
Aerosols (kg)	6.2998E-05	0.0000E+00		
Dose Effective (Ci/cc) I-131 (Thyroid)				1.8747E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)				2.3519E-06
Total I (Ci)				1.5460E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.5700 Leakage Transport

Noble gases (atoms)	8.6580E+19
Elemental I (atoms)	1.6533E+16
Organic I (atoms)	5.1132E+14
Aerosols (kg)	1.0587E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) =	0.5700	Filtered Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) =	0.5700	Ci	kg	Atoms	Bq
Kr-85		1.1229E+03	2.8620E-03	2.0277E+22	4.1546E+13
Kr-85m		1.6720E+04	2.0317E-02	1.4394E+23	6.1862E+14
Kr-87		2.9608E+04	1.0453E-06	7.2354E+18	1.0955E+15
Kr-88		4.3305E+04	3.4535E-06	2.3634E+19	1.6023E+15
Rb-86		2.9558E-02	3.6326E-10	2.5437E+15	1.0936E+09
I-131		6.8558E+02	5.5300E-06	2.5422E+19	2.5366E+13
I-132		9.4732E+02	9.1776E-08	4.1870E+17	3.5051E+13
I-133		1.3649E+03	1.2049E-06	5.4558E+18	5.0503E+13
I-134		1.3554E+03	5.0810E-08	2.2835E+17	5.0152E+13
I-135		1.2675E+03	3.6091E-07	1.6100E+18	4.6896E+13
Xe-133		1.3160E+05	7.0303E-04	3.1833E+21	4.8690E+15
Xe-135		4.7128E+04	1.8455E-05	8.2324E+19	1.7438E+15
Cs-134		3.1879E+00	2.4639E-06	1.1073E+19	1.1795E+11
Cs-136		8.8697E-01	1.2102E-08	5.3588E+16	3.2818E+10
Cs-137		1.5663E+00	1.8007E-05	7.9153E+19	5.7952E+10

Environment Transport Group Inventory:

Time (h) =	0.5700	Total Release	Release Rate/s
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Noble gases (atoms)	1.6751E+23	8.1634E+19	
Elemental I (atoms)	3.2140E+19	1.5663E+16	
Organic I (atoms)	9.9403E+17	4.8442E+14	
Aerosols (kg)	2.0483E-05	9.9820E-09	
Dose Effective (Ci) I-131 (Thyroid)			9.5646E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2132E+03
Total I (Ci)			5.6207E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 0.5700 Leakage Transport

Noble gases (atoms)	8.6580E+19
Elemental I (atoms)	1.6533E+16
Organic I (atoms)	5.1132E+14
Aerosols (kg)	1.0587E-08

Normal Environment to Control Room Transport Group Inventory:

	Pathway	
Time (h) = 0.5700	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.7601E+18
Elemental I (atoms)	0.0000E+00	1.1070E+15
Organic I (atoms)	0.0000E+00	3.4236E+13
Aerosols (kg)	0.0000E+00	7.0432E-10

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.5700	Filtered	Transported
Noble gases (atoms)	2.9736E+18	0.0000E+00
Elemental I (atoms)	5.6868E+14	0.0000E+00
Organic I (atoms)	1.7588E+13	0.0000E+00
Aerosols (kg)	3.6361E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.5700	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.5700	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	1.6092E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	2.3960E+17
Kr-87	4.3325E+03	1.5295E-07	1.0587E+18	3.9217E+17
Kr-88	7.2348E+03	5.7697E-07	3.9484E+18	5.9851E+17
Rb-86	5.4943E-03	6.7524E-11	4.7284E+14	4.2348E+11
I-131	1.2732E+02	1.0270E-06	4.7212E+18	9.8195E+15
I-132	1.5432E+02	1.4951E-08	6.8209E+16	1.2985E+16
I-133	2.5020E+02	2.2087E-07	1.0001E+18	1.9462E+16
I-134	1.7799E+02	6.6722E-09	2.9986E+16	1.7372E+16
I-135	2.2513E+02	6.4105E-08	2.8596E+17	1.7880E+16
Xe-133	2.4419E+04	1.3046E-04	5.9070E+20	1.8843E+18
Xe-135	8.4836E+03	3.3220E-06	1.4819E+19	6.6782E+17
Cs-134	5.9296E-01	4.5830E-07	2.0597E+18	4.5684E+13
Cs-136	1.6483E-01	2.2489E-09	9.9583E+15	1.2707E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	2.2446E+13

MVP Holdup Transport Group Inventory:

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Time (h) =	0.5700	Atmosphere	Sump	
Noble gases (atoms)	3.1156E+22	0.0000E+00		
Elemental I (atoms)	5.9222E+18	0.0000E+00		
Organic I (atoms)	1.8316E+17	0.0000E+00		
Aerosols (kg)	3.8100E-06	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.9797E-06	
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.4836E-06	
Total I (Ci)			9.3497E+02	

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) =	0.5700	Filtered Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) =	0.5700	Filtered Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.5800

CRDA @ EAB - Condenser Release Doses:

Time (h) =	0.5800	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.6295E-04	2.5409E-03	2.4347E-04	
Accumulated dose (rem)	1.8629E+00	2.5342E+01	2.6682E+00	

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	0.5800	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.9201E-05	6.1127E-04	5.8573E-05	
Accumulated dose (rem)	8.3323E-01	1.1333E+01	1.1934E+00	

Control Room Doses:

Time (h) =	0.5800	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.4767E-04	4.7557E-02	1.6549E-03	
Accumulated dose (rem)	1.1283E-02	3.3663E+00	1.1813E-01	

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	0.5800	Ci	kg	Atoms	Decay
Kr-85		3.4535E+03	8.8025E-03	6.2365E+22	2.7315E+17
Kr-85m		5.1423E+04	6.2486E-02	4.4270E+23	4.0671E+18
Kr-87		7.1247E+04	2.5153E-06	1.7411E+19	6.6482E+18
Kr-88		1.1933E+05	9.5168E-06	6.5127E+19	1.0153E+19
Rb-86		9.0845E-02	1.1165E-09	7.8181E+15	7.1884E+12
I-131		2.1052E+03	1.6981E-05	7.8061E+19	1.6668E+17
I-132		2.5440E+03	2.4646E-07	1.1244E+18	2.2024E+17
I-133		4.1356E+03	3.6507E-06	1.6530E+19	3.3033E+17
I-134		2.9199E+03	1.0946E-07	4.9191E+17	2.9435E+17
I-135		3.7185E+03	1.0589E-06	4.7234E+18	3.0341E+17
Xe-133		4.0375E+05	2.1570E-03	9.7666E+21	3.1984E+19
Xe-135		1.4017E+05	5.4888E-05	2.4485E+20	1.1334E+19
Cs-134		9.8045E+00	7.5779E-06	3.4056E+19	7.7547E+14

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Cs-136	2.7253E+00	3.7185E-08	1.6465E+17	2.1569E+14
Cs-137	4.8172E+00	5.5382E-05	2.4344E+20	3.8100E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	0.5800	Atmosphere	Sump	
Noble gases (atoms)	5.1516E+23	0.0000E+00		
Elemental I (atoms)	9.7903E+19	0.0000E+00		
Organic I (atoms)	3.0279E+18	0.0000E+00		
Aerosols (kg)	6.2998E-05	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)			1.8744E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)			2.3510E-06
Total I (Ci)				1.5423E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.5800 Leakage Transport

Noble gases (atoms)	8.8727E+19
Elemental I (atoms)	1.6941E+16
Organic I (atoms)	5.2394E+14
Aerosols (kg)	1.0850E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	0.5800	Pathway	
		Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23	
Elemental I (atoms)	0.0000E+00	3.8180E+19	
Organic I (atoms)	0.0000E+00	1.1808E+18	
Aerosols (kg)	0.0000E+00	2.4281E-05	

Environment Integral Nuclide Release:

Time (h) =	0.5800	Ci	kg	Atoms	Bq
Kr-85		1.1229E+03	2.8621E-03	2.0277E+22	4.1547E+13
Kr-85m		1.6720E+04	2.0317E-02	1.4394E+23	6.1863E+14
Kr-87		2.9608E+04	1.0453E-06	7.2355E+18	1.0955E+15
Kr-88		4.3305E+04	3.4536E-06	2.3634E+19	1.6023E+15
Rb-86		2.9558E-02	3.6327E-10	2.5438E+15	1.0936E+09
I-131		6.8558E+02	5.5300E-06	2.5422E+19	2.5367E+13
I-132		9.4733E+02	9.1777E-08	4.1871E+17	3.5051E+13
I-133		1.3650E+03	1.2049E-06	5.4559E+18	5.0504E+13
I-134		1.3555E+03	5.0811E-08	2.2835E+17	5.0152E+13
I-135		1.2675E+03	3.6091E-07	1.6100E+18	4.6896E+13
Xe-133		1.3160E+05	7.0304E-04	3.1833E+21	4.8691E+15
Xe-135		4.7129E+04	1.8455E-05	8.2325E+19	1.7438E+15
Cs-134		3.1879E+00	2.4639E-06	1.1073E+19	1.1795E+11
Cs-136		8.8698E-01	1.2102E-08	5.3589E+16	3.2818E+10
Cs-137		1.5663E+00	1.8007E-05	7.9154E+19	5.7952E+10

Environment Transport Group Inventory:

Time (h) =	0.5800	Total Release	Release Rate/s	
Noble gases (atoms)		1.6752E+23	8.0228E+19	
Elemental I (atoms)		3.2141E+19	1.5393E+16	
Organic I (atoms)		9.9404E+17	4.7607E+14	
Aerosols (kg)		2.0483E-05	9.8100E-09	
Dose Effective (Ci)	I-131 (Thyroid)			9.5647E+02
Dose Effective (Ci)	I-131 (ICRP2 Thyroid)			1.2132E+03
Total I (Ci)				5.6208E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.5800 Leakage Transport

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Noble gases (atoms) 8.8727E+19
 Elemental I (atoms) 1.6941E+16
 Organic I (atoms) 5.2394E+14
 Aerosols (kg) 1.0850E-08

Normal Environment to Control Room Transport Group Inventory:

	Pathway	
Time (h) = 0.5800	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.7663E+18
Elemental I (atoms)	0.0000E+00	1.1082E+15
Organic I (atoms)	0.0000E+00	3.4273E+13
Aerosols (kg)	0.0000E+00	7.0508E-10

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.5800	Filtered	Transported
Noble gases (atoms)	3.0174E+18	0.0000E+00
Elemental I (atoms)	5.7701E+14	0.0000E+00
Organic I (atoms)	1.7846E+13	0.0000E+00
Aerosols (kg)	3.6897E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.5800	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.5800	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	1.6370E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	2.4375E+17
Kr-87	4.3089E+03	1.5212E-07	1.0530E+18	3.9793E+17
Kr-88	7.2171E+03	5.7556E-07	3.9388E+18	6.0813E+17
Rb-86	5.4942E-03	6.7523E-11	4.7283E+14	4.3080E+11
I-131	1.2732E+02	1.0270E-06	4.7210E+18	9.9891E+15
I-132	1.5386E+02	1.4906E-08	6.8003E+16	1.3190E+16
I-133	2.5012E+02	2.2079E-07	9.9973E+17	1.9796E+16
I-134	1.7659E+02	6.6197E-09	2.9750E+16	1.7608E+16
I-135	2.2489E+02	6.4038E-08	2.8566E+17	1.8179E+16
Xe-133	2.4418E+04	1.3045E-04	5.9067E+20	1.9168E+18
Xe-135	8.4773E+03	3.3196E-06	1.4808E+19	6.7911E+17
Cs-134	5.9296E-01	4.5830E-07	2.0597E+18	4.6474E+13
Cs-136	1.6482E-01	2.2489E-09	9.9581E+15	1.2926E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	2.2834E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.5800	Atmosphere	Sump	
Noble gases (atoms)	3.1156E+22	0.0000E+00	
Elemental I (atoms)	5.9210E+18	0.0000E+00	
Organic I (atoms)	1.8312E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.9793E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.4826E-06
Total I (Ci)			9.3278E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

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	Pathway	
Time (h) = 0.5800	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.5800	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.5900

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.5900	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.6250E-04	2.5404E-03	2.4301E-04
Accumulated dose (rem)	1.8630E+00	2.5344E+01	2.6685E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.5900	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.9094E-05	6.1116E-04	5.8463E-05
Accumulated dose (rem)	8.3327E-01	1.1334E+01	1.1935E+00

Control Room Doses:

Time (h) = 0.5900	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.4526E-04	4.6899E-02	1.6315E-03
Accumulated dose (rem)	1.1428E-02	3.4132E+00	1.1976E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.5900	Ci	kg	Atoms	Decay
Kr-85	3.4535E+03	8.8025E-03	6.2364E+22	2.7775E+17
Kr-85m	5.1423E+04	6.2485E-02	4.4270E+23	4.1356E+18
Kr-87	7.0859E+04	2.5016E-02	1.7316E+19	6.7428E+18
Kr-88	1.1904E+05	9.4936E-06	6.4968E+19	1.0312E+19
Rb-86	9.0843E-02	1.1165E-09	7.8180E+15	7.3094E+12
I-131	2.1051E+03	1.6980E-05	7.8058E+19	1.6948E+17
I-132	2.5364E+03	2.4572E-07	1.1210E+18	2.2363E+17
I-133	4.1342E+03	3.6495E-06	1.6525E+19	3.3584E+17
I-134	2.8969E+03	1.0859E-07	4.8803E+17	2.9822E+17
I-135	3.7146E+03	1.0577E-06	4.7184E+18	3.0836E+17
Xe-133	4.0372E+05	2.1568E-03	9.7660E+21	3.2522E+19
Xe-135	1.4006E+05	5.4847E-05	2.4466E+20	1.1520E+19
Cs-134	9.8045E+00	7.5779E-06	3.4056E+19	7.8853E+14
Cs-136	2.7252E+00	3.7184E-08	1.6465E+17	2.1932E+14
Cs-137	4.8172E+00	5.5382E-05	2.4344E+20	3.8742E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 0.5900	Atmosphere	Sump	
Noble gases (atoms)	5.1516E+23	0.0000E+00	
Elemental I (atoms)	9.7883E+19	0.0000E+00	
Organic I (atoms)	3.0273E+18	0.0000E+00	
Aerosols (kg)	6.2998E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.8741E-06

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Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid) 2.3501E-06
 Total I (Ci) 1.5387E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 0.5900 Leakage Transport

Noble gases (atoms) 9.0873E+19
 Elemental I (atoms) 1.7349E+16
 Organic I (atoms) 5.3656E+14
 Aerosols (kg) 1.1112E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 0.5900	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 0.5900	Ci	kg	Atoms	Bq
Kr-85	1.1229E+03	2.8621E-03	2.0278E+22	4.1547E+13
Kr-85m	1.6720E+04	2.0317E-02	1.4394E+23	6.1864E+14
Kr-87	2.9609E+04	1.0453E-06	7.2355E+18	1.0955E+15
Kr-88	4.3306E+04	3.4536E-06	2.3634E+19	1.6023E+15
Rb-86	2.9558E-02	3.6327E-10	2.5438E+15	1.0937E+09
I-131	6.8559E+02	5.5301E-06	2.5422E+19	2.5367E+13
I-132	9.4734E+02	9.1778E-08	4.1871E+17	3.5052E+13
I-133	1.3650E+03	1.2050E-06	5.4559E+18	5.0504E+13
I-134	1.3555E+03	5.0811E-08	2.2835E+17	5.0152E+13
I-135	1.2675E+03	3.6092E-07	1.6100E+18	4.6897E+13
Xe-133	1.3160E+05	7.0305E-04	3.1834E+21	4.8691E+15
Xe-135	4.7130E+04	1.8455E-05	8.2326E+19	1.7438E+15
Cs-134	3.1879E+00	2.4640E-06	1.1073E+19	1.1795E+11
Cs-136	8.8699E-01	1.2102E-08	5.3590E+16	3.2819E+10
Cs-137	1.5663E+00	1.8007E-05	7.9155E+19	5.7953E+10

Environment Transport Group Inventory:

Time (h) = 0.5900	Total Release	Rate/s
Noble gases (atoms)	1.6752E+23	7.8869E+19
Elemental I (atoms)	3.2141E+19	1.5132E+16
Organic I (atoms)	9.9405E+17	4.6801E+14
Aerosols (kg)	2.0484E-05	9.6439E-09
Dose Effective (Ci) I-131 (Thyroid)		9.5648E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		1.2132E+03
Total I (Ci)		5.6209E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 0.5900 Leakage Transport

Noble gases (atoms) 9.0873E+19
 Elemental I (atoms) 1.7349E+16
 Organic I (atoms) 5.3656E+14
 Aerosols (kg) 1.1112E-08

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 0.5900	Pathway	
	Filtered	Transported

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Noble gases (atoms)	0.0000E+00	5.7726E+18
Elemental I (atoms)	0.0000E+00	1.1093E+15
Organic I (atoms)	0.0000E+00	3.4309E+13
Aerosols (kg)	0.0000E+00	7.0584E-10

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 0.5900	Pathway	
	Filtered	Transported
Noble gases (atoms)	3.0606E+18	0.0000E+00
Elemental I (atoms)	5.8522E+14	0.0000E+00
Organic I (atoms)	1.8100E+13	0.0000E+00
Aerosols (kg)	3.7426E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.5900	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.5900	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	1.6648E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	2.4789E+17
Kr-87	4.2855E+03	1.5129E-07	1.0473E+18	4.0365E+17
Kr-88	7.1995E+03	5.7416E-07	3.9292E+18	6.1774E+17
Rb-86	5.4941E-03	6.7522E-11	4.7282E+14	4.3812E+11
I-131	1.2731E+02	1.0269E-06	4.7208E+18	1.0159E+16
I-132	1.5340E+02	1.4861E-08	6.7799E+16	1.3395E+16
I-133	2.5003E+02	2.2072E-07	9.9940E+17	2.0129E+16
I-134	1.7520E+02	6.5676E-09	2.9515E+16	1.7842E+16
I-135	2.2466E+02	6.3971E-08	2.8536E+17	1.8479E+16
Xe-133	2.4417E+04	1.3044E-04	5.9064E+20	1.9493E+18
Xe-135	8.4709E+03	3.3171E-06	1.4797E+19	6.9040E+17
Cs-134	5.9296E-01	4.5830E-07	2.0597E+18	4.7264E+13
Cs-136	1.6482E-01	2.2488E-09	9.9579E+15	1.3146E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	2.3222E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.5900	Atmosphere	Sump	
Noble gases (atoms)	3.1156E+22	0.0000E+00	
Elemental I (atoms)	5.9198E+18	0.0000E+00	
Organic I (atoms)	1.8309E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.9790E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.4816E-06
Total I (Ci)			9.3060E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.5900	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

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	Pathway	
Time (h) = 0.5900	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.6000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.6000	whole Body	Thyroid	TEDE
Delta dose (rem)	1.6206E-04	2.5400E-03	2.4256E-04
Accumulated dose (rem)	1.8632E+00	2.5347E+01	2.6687E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.6000	whole Body	Thyroid	TEDE
Delta dose (rem)	3.8989E-05	6.1106E-04	5.8353E-05
Accumulated dose (rem)	8.3331E-01	1.1335E+01	1.1935E+00

Control Room Doses:

Time (h) = 0.6000	whole Body	Thyroid	TEDE
Delta dose (rem)	1.4289E-04	4.6251E-02	1.6086E-03
Accumulated dose (rem)	1.1571E-02	3.4594E+00	1.2137E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.6000	Ci	kg	Atoms	Decay
Kr-85	3.4535E+03	8.8024E-03	6.2364E+22	2.8235E+17
Kr-85m	5.1422E+04	6.2485E-02	4.4270E+23	4.2041E+18
Kr-87	7.0474E+04	2.4880E-06	1.7222E+19	6.8369E+18
Kr-88	1.1875E+05	9.4704E-06	6.4809E+19	1.0470E+19
Rb-86	9.0841E-02	1.1164E-09	7.8178E+15	7.4304E+12
I-131	2.1050E+03	1.6979E-05	7.8055E+19	1.7229E+17
I-132	2.5287E+03	2.4498E-07	1.1177E+18	2.2700E+17
I-133	4.1328E+03	3.6483E-06	1.6519E+19	3.4135E+17
I-134	2.8741E+03	1.0774E-07	4.8418E+17	3.0207E+17
I-135	3.7107E+03	1.0566E-06	4.7135E+18	3.1331E+17
Xe-133	4.0370E+05	2.1567E-03	9.7655E+21	3.3060E+19
Xe-135	1.3996E+05	5.4806E-05	2.4448E+20	1.1707E+19
Cs-134	9.8044E+00	7.5778E-06	3.4056E+19	8.0159E+14
Cs-136	2.7251E+00	3.7183E-08	1.6465E+17	2.2295E+14
Cs-137	4.8172E+00	5.5381E-05	2.4344E+20	3.9384E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 0.6000	Atmosphere	Sump
Noble gases (atoms)	5.1515E+23	0.0000E+00
Elemental I (atoms)	9.7862E+19	0.0000E+00
Organic I (atoms)	3.0267E+18	0.0000E+00
Aerosols (kg)	6.2998E-05	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.8738E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		2.3491E-06
Total I (Ci)		1.5351E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.6000 Leakage Transport

Noble gases (atoms)	9.3020E+19
Elemental I (atoms)	1.7757E+16
Organic I (atoms)	5.4917E+14
Aerosols (kg)	1.1375E-08

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DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.6000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 0.6000	Ci	kg	Atoms	Bq
Kr-85	1.1229E+03	2.8621E-03	2.0278E+22	4.1548E+13
Kr-85m	1.6720E+04	2.0317E-02	1.4395E+23	6.1865E+14
Kr-87	2.9609E+04	1.0453E-06	7.2356E+18	1.0955E+15
Kr-88	4.3306E+04	3.4536E-06	2.3634E+19	1.6023E+15
Rb-86	2.9559E-02	3.6327E-10	2.5438E+15	1.0937E+09
I-131	6.8560E+02	5.5302E-06	2.5422E+19	2.5367E+13
I-132	9.4735E+02	9.1779E-08	4.1872E+17	3.5052E+13
I-133	1.3650E+03	1.2050E-06	5.4560E+18	5.0505E+13
I-134	1.3555E+03	5.0811E-08	2.2835E+17	5.0153E+13
I-135	1.2675E+03	3.6092E-07	1.6100E+18	4.6898E+13
Xe-133	1.3160E+05	7.0306E-04	3.1834E+21	4.8692E+15
Xe-135	4.7130E+04	1.8455E-05	8.2327E+19	1.7438E+15
Cs-134	3.1880E+00	2.4640E-06	1.1074E+19	1.1796E+11
Cs-136	8.8701E-01	1.2103E-08	5.3591E+16	3.2819E+10
Cs-137	1.5663E+00	1.8007E-05	7.9156E+19	5.7954E+10

Environment Transport Group Inventory:

Time (h) = 0.6000	Total Release	Release Rate/s
Noble gases (atoms)	1.6752E+23	7.7556E+19
Elemental I (atoms)	3.2142E+19	1.4880E+16
Organic I (atoms)	9.9407E+17	4.6022E+14
Aerosols (kg)	2.0484E-05	9.4833E-09
Dose Effective (Ci) I-131 (Thyroid)		9.5650E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		1.2132E+03
Total I (Ci)		5.6209E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.6000 Leakage Transport

Noble gases (atoms)	9.3020E+19
Elemental I (atoms)	1.7757E+16
Organic I (atoms)	5.4917E+14
Aerosols (kg)	1.1375E-08

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 0.6000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.7788E+18
Elemental I (atoms)	0.0000E+00	1.1105E+15
Organic I (atoms)	0.0000E+00	3.4346E+13
Aerosols (kg)	0.0000E+00	7.0660E-10

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 0.6000	Pathway	
	Filtered	Transported
Noble gases (atoms)	3.1032E+18	0.0000E+00

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Elemental I (atoms)	5.9332E+14	0.0000E+00
Organic I (atoms)	1.8350E+13	0.0000E+00
Aerosols (kg)	3.7947E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.6000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.6000	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	1.6926E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	2.5203E+17
Kr-87	4.2622E+03	1.5047E-07	1.0416E+18	4.0934E+17
Kr-88	7.1820E+03	5.7276E-07	3.9196E+18	6.2731E+17
Rb-86	5.4940E-03	6.7521E-11	4.7281E+14	4.4544E+11
I-131	1.2731E+02	1.0269E-06	4.7207E+18	1.0328E+16
I-132	1.5293E+02	1.4816E-08	6.7595E+16	1.3599E+16
I-133	2.4995E+02	2.2064E-07	9.9906E+17	2.0462E+16
I-134	1.7382E+02	6.5158E-09	2.9283E+16	1.8075E+16
I-135	2.2442E+02	6.3904E-08	2.8507E+17	1.8778E+16
Xe-133	2.4415E+04	1.3044E-04	5.9061E+20	1.9819E+18
Xe-135	8.4646E+03	3.3146E-06	1.4786E+19	7.0168E+17
Cs-134	5.9296E-01	4.5830E-07	2.0597E+18	4.8054E+13
Cs-136	1.6481E-01	2.2488E-09	9.9576E+15	1.3365E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	2.3610E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.6000	Atmosphere	Sump	
Noble gases (atoms)	3.1156E+22	0.0000E+00	
Elemental I (atoms)	5.9186E+18	0.0000E+00	
Organic I (atoms)	1.8305E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.9787E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.4806E-06
Total I (Ci)			9.2843E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.6000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.6000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.6100

CRDA @ EAB - Condenser Release Doses:

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Time (h) =	0.6100	Whole Body	Thyroid	TEDE
Delta dose (rem)		1.6163E-04	2.5396E-03	2.4210E-04
Accumulated dose (rem)		1.8634E+00	2.5350E+01	2.6690E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	0.6100	Whole Body	Thyroid	TEDE
Delta dose (rem)		3.8883E-05	6.1096E-04	5.8243E-05
Accumulated dose (rem)		8.3335E-01	1.1335E+01	1.1936E+00

Control Room Doses:

Time (h) =	0.6100	Whole Body	Thyroid	TEDE
Delta dose (rem)		1.4056E-04	4.5614E-02	1.5860E-03
Accumulated dose (rem)		1.1712E-02	3.5050E+00	1.2295E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	0.6100	Ci	kg	Atoms	Decay
Kr-85		3.4535E+03	8.8024E-03	6.2364E+22	2.8695E+17
Kr-85m		5.1422E+04	6.2485E-02	4.4270E+23	4.2726E+18
Kr-87		7.0090E+04	2.4744E-06	1.7128E+19	6.9306E+18
Kr-88		1.1846E+05	9.4473E-06	6.4651E+19	1.0628E+19
Rb-86		9.0840E-02	1.1164E-09	7.8177E+15	7.5514E+12
I-131		2.1049E+03	1.6979E-05	7.8051E+19	1.7509E+17
I-132		2.5211E+03	2.4424E-07	1.1143E+18	2.3036E+17
I-133		4.1314E+03	3.6471E-06	1.6514E+19	3.4685E+17
I-134		2.8514E+03	1.0689E-07	4.8037E+17	3.0588E+17
I-135		3.7068E+03	1.0555E-06	4.7085E+18	3.1825E+17
Xe-133		4.0367E+05	2.1566E-03	9.7649E+21	3.3598E+19
Xe-135		1.3985E+05	5.4765E-05	2.4430E+20	1.1893E+19
Cs-134		9.8044E+00	7.5778E-06	3.4056E+19	8.1464E+14
Cs-136		2.7251E+00	3.7182E-08	1.6464E+17	2.2658E+14
Cs-137		4.8172E+00	5.5381E-05	2.4344E+20	4.0025E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	0.6100	Atmosphere	Sump
Noble gases (atoms)		5.1515E+23	0.0000E+00
Elemental I (atoms)		9.7842E+19	0.0000E+00
Organic I (atoms)		3.0260E+18	0.0000E+00
Aerosols (kg)		6.2997E-05	0.0000E+00
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.8735E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.3482E-06
Total I (Ci)			1.5316E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.6100 Leakage Transport

Noble gases (atoms)	9.5166E+19
Elemental I (atoms)	1.8164E+16
Organic I (atoms)	5.6178E+14
Aerosols (kg)	1.1637E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	0.6100	Pathway	Transported
Noble gases (atoms)		Filtered	1.9857E+23
Elemental I (atoms)			3.8180E+19
Organic I (atoms)			1.1808E+18
Aerosols (kg)			2.4281E-05

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Environment Integral Nuclide Release:

Time (h) =	Ci	kg	Atoms	Bq
0.6100				
Kr-85	1.1229E+03	2.8622E-03	2.0278E+22	4.1548E+13
Kr-85m	1.6720E+04	2.0318E-02	1.4395E+23	6.1865E+14
Kr-87	2.9609E+04	1.0453E-06	7.2357E+18	1.0955E+15
Kr-88	4.3307E+04	3.4537E-06	2.3635E+19	1.6023E+15
Rb-86	2.9559E-02	3.6328E-10	2.5439E+15	1.0937E+09
I-131	6.8561E+02	5.5302E-06	2.5423E+19	2.5368E+13
I-132	9.4736E+02	9.1780E-08	4.1872E+17	3.5053E+13
I-133	1.3650E+03	1.2050E-06	5.4561E+18	5.0506E+13
I-134	1.3555E+03	5.0812E-08	2.2836E+17	5.0153E+13
I-135	1.2675E+03	3.6093E-07	1.6100E+18	4.6898E+13
Xe-133	1.3160E+05	7.0307E-04	3.1834E+21	4.8693E+15
Xe-135	4.7131E+04	1.8456E-05	8.2328E+19	1.7438E+15
Cs-134	3.1880E+00	2.4640E-06	1.1074E+19	1.1796E+11
Cs-136	8.8702E-01	1.2103E-08	5.3591E+16	3.2820E+10
Cs-137	1.5663E+00	1.8008E-05	7.9157E+19	5.7955E+10

Environment Transport Group Inventory:

Time (h) =	Total Release	Release Rate/s
0.6100		
Noble gases (atoms)	1.6752E+23	7.6285E+19
Elemental I (atoms)	3.2142E+19	1.4637E+16
Organic I (atoms)	9.9408E+17	4.5268E+14
Aerosols (kg)	2.0484E-05	9.3279E-09
Dose Effective (Ci) I-131 (Thyroid)		9.5651E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		1.2132E+03
Total I (Ci)		5.6210E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.6100 Leakage Transport

Noble gases (atoms)	9.5166E+19
Elemental I (atoms)	1.8164E+16
Organic I (atoms)	5.6178E+14
Aerosols (kg)	1.1637E-08

Normal Environment to Control Room Transport Group Inventory:

Time (h) =	Pathway Filtered	Transported
0.6100		
Noble gases (atoms)	0.0000E+00	5.7850E+18
Elemental I (atoms)	0.0000E+00	1.1117E+15
Organic I (atoms)	0.0000E+00	3.4382E+13
Aerosols (kg)	0.0000E+00	7.0736E-10

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) =	Pathway Filtered	Transported
0.6100		
Noble gases (atoms)	3.1453E+18	0.0000E+00
Elemental I (atoms)	6.0131E+14	0.0000E+00
Organic I (atoms)	1.8597E+13	0.0000E+00
Aerosols (kg)	3.8461E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) =	Pathway Filtered	Transported
0.6100		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19

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Organic I (atoms) 0.0000E+00 1.1427E+18
 Aerosols (kg) 0.0000E+00 2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) =	0.6100	Ci	kg	Atoms	Decay
Kr-85		2.0886E+02	5.3236E-04	3.7717E+21	1.7204E+16
Kr-85m		3.1100E+03	3.7790E-03	2.6774E+22	2.5617E+17
Kr-87		4.2390E+03	1.4965E-07	1.0359E+18	4.1501E+17
Kr-88		7.1645E+03	5.7137E-07	3.9100E+18	6.3687E+17
Rb-86		5.4939E-03	6.7520E-11	4.7281E+14	4.5276E+11
I-131		1.2730E+02	1.0269E-06	4.7205E+18	1.0498E+16
I-132		1.5247E+02	1.4772E-08	6.7391E+16	1.3802E+16
I-133		2.4987E+02	2.2057E-07	9.9873E+17	2.0795E+16
I-134		1.7245E+02	6.4645E-09	2.9052E+16	1.8305E+16
I-135		2.2419E+02	6.3837E-08	2.8477E+17	1.9077E+16
Xe-133		2.4414E+04	1.3043E-04	5.9057E+20	2.0144E+18
Xe-135		8.4583E+03	3.3122E-06	1.4775E+19	7.1295E+17
Cs-134		5.9296E-01	4.5830E-07	2.0597E+18	4.8844E+13
Cs-136		1.6481E-01	2.2487E-09	9.9574E+15	1.3585E+13
Cs-137		2.9134E-01	3.3494E-06	1.4723E+19	2.3998E+13

MVP Holdup Transport Group Inventory:

Time (h) =	0.6100	Atmosphere	Sump
Noble gases (atoms)		3.1156E+22	0.0000E+00
Elemental I (atoms)		5.9174E+18	0.0000E+00
Organic I (atoms)		1.8301E+17	0.0000E+00
Aerosols (kg)		3.8100E-06	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)			1.9784E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.4797E-06
Total I (Ci)			9.2628E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	0.6100	Pathway	
		Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18
Aerosols (kg)		0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) =	0.6100	Pathway	
		Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9217E+23
Elemental I (atoms)		0.0000E+00	3.6947E+19
Organic I (atoms)		0.0000E+00	1.1427E+18
Aerosols (kg)		0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.6200

CRDA @ EAB - Condenser Release Doses:

Time (h) =	0.6200	whole Body	Thyroid	TEDE
Delta dose (rem)		1.6119E-04	2.5391E-03	2.4165E-04
Accumulated dose (rem)		1.8635E+00	2.5352E+01	2.6692E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	0.6200	whole Body	Thyroid	TEDE
Delta dose (rem)		3.8778E-05	6.1085E-04	5.8134E-05
Accumulated dose (rem)		8.3339E-01	1.1336E+01	1.1936E+00

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Control Room Doses:

Time (h) =	0.6200	Whole Body	Thyroid	TEDE
Delta dose (rem)		1.3828E-04	4.4987E-02	1.5638E-03
Accumulated dose (rem)		1.1850E-02	3.5500E+00	1.2452E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	0.6200	Ci	kg	Atoms	Decay
Kr-85		3.4535E+03	8.8024E-03	6.2364E+22	2.9155E+17
Kr-85m		5.1422E+04	6.2485E-02	4.4269E+23	4.3411E+18
Kr-87		6.9709E+04	2.4610E-06	1.7035E+19	7.0237E+18
Kr-88		1.1817E+05	9.4242E-06	6.4493E+19	1.0786E+19
Rb-86		9.0838E-02	1.1164E-09	7.8175E+15	7.6724E+12
I-131		2.1048E+03	1.6978E-05	7.8048E+19	1.7789E+17
I-132		2.5135E+03	2.4351E-07	1.1109E+18	2.3371E+17
I-133		4.1300E+03	3.6458E-06	1.6508E+19	3.5235E+17
I-134		2.8290E+03	1.0605E-07	4.7658E+17	3.0966E+17
I-135		3.7029E+03	1.0544E-06	4.7035E+18	3.2318E+17
Xe-133		4.0365E+05	2.1565E-03	9.7643E+21	3.4135E+19
Xe-135		1.3975E+05	5.4724E-05	2.4412E+20	1.2079E+19
Cs-134		9.8044E+00	7.5778E-06	3.4056E+19	8.2770E+14
Cs-136		2.7250E+00	3.7181E-08	1.6464E+17	2.3021E+14
Cs-137		4.8171E+00	5.5381E-05	2.4344E+20	4.0667E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	0.6200	Atmosphere	Sump
Noble gases (atoms)		5.1515E+23	0.0000E+00
Elemental I (atoms)		9.7822E+19	0.0000E+00
Organic I (atoms)		3.0254E+18	0.0000E+00
Aerosols (kg)		6.2997E-05	0.0000E+00
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.8731E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.3473E-06
Total I (Ci)			1.5280E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.6200 Leakage Transport

Noble gases (atoms)	9.7313E+19
Elemental I (atoms)	1.8572E+16
Organic I (atoms)	5.7439E+14
Aerosols (kg)	1.1900E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	0.6200	Pathway	Transported
Noble gases (atoms)		Filtered	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18
Aerosols (kg)		0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) =	0.6200	Ci	kg	Atoms	Bq
Kr-85		1.1229E+03	2.8622E-03	2.0278E+22	4.1549E+13
Kr-85m		1.6721E+04	2.0318E-02	1.4395E+23	6.1866E+14
Kr-87		2.9610E+04	1.0453E-06	7.2357E+18	1.0956E+15
Kr-88		4.3307E+04	3.4537E-06	2.3635E+19	1.6024E+15
Rb-86		2.9559E-02	3.6328E-10	2.5439E+15	1.0937E+09
I-131		6.8562E+02	5.5303E-06	2.5423E+19	2.5368E+13
I-132		9.4738E+02	9.1781E-08	4.1872E+17	3.5053E+13

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I-133	1.3650E+03	1.2050E-06	5.4561E+18	5.0506E+13
I-134	1.3555E+03	5.0812E-08	2.2836E+17	5.0154E+13
I-135	1.2675E+03	3.6093E-07	1.6100E+18	4.6899E+13
Xe-133	1.3160E+05	7.0308E-04	3.1835E+21	4.8693E+15
Xe-135	4.7131E+04	1.8456E-05	8.2329E+19	1.7439E+15
Cs-134	3.1881E+00	2.4641E-06	1.1074E+19	1.1796E+11
Cs-136	8.8703E-01	1.2103E-08	5.3592E+16	3.2820E+10
Cs-137	1.5664E+00	1.8008E-05	7.9158E+19	5.7955E+10

Environment Transport Group Inventory:

Time (h) =	0.6200	Total Release	Release Rate/s
Noble gases (atoms)		1.6752E+23	7.5056E+19
Elemental I (atoms)		3.2142E+19	1.4401E+16
Organic I (atoms)		9.9409E+17	4.4538E+14
Aerosols (kg)		2.0484E-05	9.1776E-09
Dose Effective (Ci) I-131 (Thyroid)			9.5652E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2132E+03
Total I (Ci)			5.6211E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.6200 Leakage Transport

Noble gases (atoms)	9.7313E+19
Elemental I (atoms)	1.8572E+16
Organic I (atoms)	5.7439E+14
Aerosols (kg)	1.1900E-08

Normal Environment to Control Room Transport Group Inventory:

Time (h) =	0.6200	Pathway Filtered	Transported
Noble gases (atoms)		0.0000E+00	5.7912E+18
Elemental I (atoms)		0.0000E+00	1.1129E+15
Organic I (atoms)		0.0000E+00	3.4419E+13
Aerosols (kg)		0.0000E+00	7.0813E-10

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) =	0.6200	Pathway Filtered	Transported
Noble gases (atoms)		3.1868E+18	0.0000E+00
Elemental I (atoms)		6.0919E+14	0.0000E+00
Organic I (atoms)		1.8841E+13	0.0000E+00
Aerosols (kg)		3.8969E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) =	0.6200	Pathway Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9217E+23
Elemental I (atoms)		0.0000E+00	3.6947E+19
Organic I (atoms)		0.0000E+00	1.1427E+18
Aerosols (kg)		0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) =	0.6200	Ci	kg	Atoms	Decay
Kr-85		2.0886E+02	5.3236E-04	3.7717E+21	1.7483E+16
Kr-85m		3.1100E+03	3.7790E-03	2.6774E+22	2.6032E+17
Kr-87		4.2160E+03	1.4884E-07	1.0303E+18	4.2064E+17
Kr-88		7.1470E+03	5.6997E-07	3.9005E+18	6.4640E+17

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Rb-86	5.4938E-03	6.7519E-11	4.7280E+14	4.6007E+11
I-131	1.2730E+02	1.0268E-06	4.7203E+18	1.0667E+16
I-132	1.5202E+02	1.4727E-08	6.7189E+16	1.4005E+16
I-133	2.4978E+02	2.2050E-07	9.9840E+17	2.1127E+16
I-134	1.7109E+02	6.4136E-09	2.8824E+16	1.8534E+16
I-135	2.2395E+02	6.3770E-08	2.8447E+17	1.9375E+16
Xe-133	2.4413E+04	1.3042E-04	5.9054E+20	2.0469E+18
Xe-135	8.4520E+03	3.3097E-06	1.4764E+19	7.2421E+17
Cs-134	5.9296E-01	4.5830E-07	2.0597E+18	4.9634E+13
Cs-136	1.6481E-01	2.2487E-09	9.9572E+15	1.3804E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	2.4386E+13

MVP Holdup Transport Group Inventory:

	Atmosphere	Sump	
Time (h) = 0.6200			
Noble gases (atoms)	3.1156E+22	0.0000E+00	
Elemental I (atoms)	5.9162E+18	0.0000E+00	
Organic I (atoms)	1.8298E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.9780E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.4787E-06
Total I (Ci)			9.2414E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 0.6200		
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 0.6200		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.6300

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.6300	whole Body	Thyroid	TEDE
Delta dose (rem)	1.6076E-04	2.5387E-03	2.4120E-04
Accumulated dose (rem)	1.8637E+00	2.5355E+01	2.6695E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.6300	whole Body	Thyroid	TEDE
Delta dose (rem)	3.8674E-05	6.1075E-04	5.8025E-05
Accumulated dose (rem)	8.3343E-01	1.1336E+01	1.1937E+00

Control Room Doses:

Time (h) = 0.6300	whole Body	Thyroid	TEDE
Delta dose (rem)	1.3604E-04	4.4371E-02	1.5419E-03
Accumulated dose (rem)	1.1986E-02	3.5944E+00	1.2606E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.6300	Ci	kg	Atoms	Decay

	CRDA	GAP	MVP	TRIP	10 MIN.	o0
Kr-85	3.4535E+03	8.8023E-03	6.2363E+22	2.9615E+17		
Kr-85m	5.1422E+04	6.2484E-02	4.4269E+23	4.4096E+18		
Kr-87	6.9330E+04	2.4476E-06	1.6942E+19	7.1163E+18		
Kr-88	1.1788E+05	9.4012E-06	6.4336E+19	1.0943E+19		
Rb-86	9.0836E-02	1.1164E-09	7.8173E+15	7.7934E+12		
I-131	2.1047E+03	1.6977E-05	7.8045E+19	1.8070E+17		
I-132	2.5059E+03	2.4277E-07	1.1076E+18	2.3706E+17		
I-133	4.1286E+03	3.6446E-06	1.6502E+19	3.5785E+17		
I-134	2.8067E+03	1.0521E-07	4.7283E+17	3.1342E+17		
I-135	3.6990E+03	1.0533E-06	4.6986E+18	3.2811E+17		
Xe-133	4.0363E+05	2.1563E-03	9.7637E+21	3.4673E+19		
Xe-135	1.3965E+05	5.4683E-05	2.4393E+20	1.2265E+19		
Cs-134	9.8043E+00	7.5777E-06	3.4055E+19	8.4076E+14		
Cs-136	2.7249E+00	3.7180E-08	1.6463E+17	2.3384E+14		
Cs-137	4.8171E+00	5.5381E-05	2.4344E+20	4.1309E+14		

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	0.6300	Atmosphere	Sump
Noble gases (atoms)	5.1515E+23	0.0000E+00	
Elemental I (atoms)	9.7802E+19	0.0000E+00	
Organic I (atoms)	3.0248E+18	0.0000E+00	
Aerosols (kg)	6.2997E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.8728E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.3464E-06
Total I (Ci)			1.5245E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.6300 Leakage Transport

Noble gases (atoms)	9.9459E+19
Elemental I (atoms)	1.8980E+16
Organic I (atoms)	5.8700E+14
Aerosols (kg)	1.2162E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	0.6300	Pathway	
		Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23	
Elemental I (atoms)	0.0000E+00	3.8180E+19	
Organic I (atoms)	0.0000E+00	1.1808E+18	
Aerosols (kg)	0.0000E+00	2.4281E-05	

Environment Integral Nuclide Release:

Time (h) =	0.6300	Ci	kg	Atoms	Bq
Kr-85	1.1230E+03	2.8622E-03	2.0279E+22	4.1550E+13	
Kr-85m	1.6721E+04	2.0318E-02	1.4395E+23	6.1867E+14	
Kr-87	2.9610E+04	1.0453E-06	7.2358E+18	1.0956E+15	
Kr-88	4.3308E+04	3.4538E-06	2.3635E+19	1.6024E+15	
Rb-86	2.9560E-02	3.6329E-10	2.5439E+15	1.0937E+09	
I-131	6.8563E+02	5.5304E-06	2.5423E+19	2.5368E+13	
I-132	9.4739E+02	9.1782E-08	4.1873E+17	3.5053E+13	
I-133	1.3651E+03	1.2050E-06	5.4562E+18	5.0507E+13	
I-134	1.3555E+03	5.0813E-08	2.2836E+17	5.0154E+13	
I-135	1.2675E+03	3.6093E-07	1.6101E+18	4.6899E+13	
Xe-133	1.3161E+05	7.0309E-04	3.1835E+21	4.8694E+15	
Xe-135	4.7132E+04	1.8456E-05	8.2330E+19	1.7439E+15	
Cs-134	3.1881E+00	2.4641E-06	1.1074E+19	1.1796E+11	
Cs-136	8.8704E-01	1.2103E-08	5.3593E+16	3.2820E+10	
Cs-137	1.5664E+00	1.8008E-05	7.9159E+19	5.7956E+10	

Environment Transport Group Inventory:

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	Total Release	Release Rate/s	
Time (h) =	0.6300		
Noble gases (atoms)	1.6753E+23	7.3865E+19	
Elemental I (atoms)	3.2143E+19	1.4172E+16	
Organic I (atoms)	9.9411E+17	4.3832E+14	
Aerosols (kg)	2.0485E-05	9.0320E-09	
Dose Effective (Ci) I-131 (Thyroid)			9.5653E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2132E+03
Total I (Ci)			5.6211E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 0.6300 Leakage Transport

Noble gases (atoms)	9.9459E+19
Elemental I (atoms)	1.8980E+16
Organic I (atoms)	5.8700E+14
Aerosols (kg)	1.2162E-08

Normal Environment to Control Room Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) =	0.6300	
Noble gases (atoms)	0.0000E+00	5.7974E+18
Elemental I (atoms)	0.0000E+00	1.1141E+15
Organic I (atoms)	0.0000E+00	3.4456E+13
Aerosols (kg)	0.0000E+00	7.0889E-10

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) =	0.6300	
Noble gases (atoms)	3.2277E+18	0.0000E+00
Elemental I (atoms)	6.1697E+14	0.0000E+00
Organic I (atoms)	1.9081E+13	0.0000E+00
Aerosols (kg)	3.9469E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) =	0.6300	
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) =	Ci	kg	Atoms	Decay
0.6300				
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	1.7761E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	2.6446E+17
Kr-87	4.1931E+03	1.4803E-07	1.0247E+18	4.2624E+17
Kr-88	7.1296E+03	5.6858E-07	3.8910E+18	6.5591E+17
Rb-86	5.4937E-03	6.7518E-11	4.7279E+14	4.6739E+11
I-131	1.2729E+02	1.0268E-06	4.7202E+18	1.0837E+16
I-132	1.5156E+02	1.4683E-08	6.6986E+16	1.4207E+16
I-133	2.4970E+02	2.2042E-07	9.9806E+17	2.1460E+16
I-134	1.6975E+02	6.3631E-09	2.8597E+16	1.8761E+16
I-135	2.2372E+02	6.3703E-08	2.8417E+17	1.9673E+16
Xe-133	2.4411E+04	1.3042E-04	5.9051E+20	2.0794E+18
Xe-135	8.4457E+03	3.3072E-06	1.4753E+19	7.3547E+17
Cs-134	5.9296E-01	4.5830E-07	2.0597E+18	5.0423E+13
Cs-136	1.6480E-01	2.2486E-09	9.9570E+15	1.4024E+13

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 Cs-137 2.9134E-01 3.3494E-06 1.4723E+19 2.4774E+13

MVP Holdup Transport Group Inventory:

Time (h) =	0.6300	Atmosphere	Sump	
Noble gases (atoms)	3.1156E+22	0.0000E+00		
Elemental I (atoms)	5.9150E+18	0.0000E+00		
Organic I (atoms)	1.8294E+17	0.0000E+00		
Aerosols (kg)	3.8100E-06	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)			1.9777E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)			2.4777E-06
Total I (Ci)				9.2202E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Time (h) =	0.6300	Pathway	
			Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9857E+23	
Elemental I (atoms)		0.0000E+00	3.8180E+19	
Organic I (atoms)		0.0000E+00	1.1808E+18	
Aerosols (kg)		0.0000E+00	2.4281E-05	

MVP Holdup to Environment Transport Group Inventory:

	Time (h) =	0.6300	Pathway	
			Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9217E+23	
Elemental I (atoms)		0.0000E+00	3.6947E+19	
Organic I (atoms)		0.0000E+00	1.1427E+18	
Aerosols (kg)		0.0000E+00	2.3498E-05	

Detailed model information at time (H) = 0.6400

CRDA @ EAB - Condenser Release Doses:

Time (h) =	0.6400	whole Body	Thyroid	TEDE
Delta dose (rem)	1.6032E-04	2.5383E-03	2.4074E-04	
Accumulated dose (rem)	1.8638E+00	2.5357E+01	2.6697E+00	

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	0.6400	whole Body	Thyroid	TEDE
Delta dose (rem)	3.8569E-05	6.1064E-04	5.7917E-05	
Accumulated dose (rem)	8.3347E-01	1.1337E+01	1.1938E+00	

Control Room Doses:

Time (h) =	0.6400	whole Body	Thyroid	TEDE
Delta dose (rem)	1.3384E-04	4.3764E-02	1.5204E-03	
Accumulated dose (rem)	1.2120E-02	3.6381E+00	1.2758E-01	

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	0.6400	Ci	kg	Atoms	Decay
Kr-85		3.4534E+03	8.8023E-03	6.2363E+22	3.0075E+17
Kr-85m		5.1421E+04	6.2484E-02	4.4269E+23	4.4781E+18
Kr-87		6.8953E+04	2.4343E-06	1.6850E+19	7.2084E+18
Kr-88		1.1760E+05	9.3782E-06	6.4178E+19	1.1100E+19
Rb-86		9.0834E-02	1.1163E-09	7.8172E+15	7.9144E+12
I-131		2.1047E+03	1.6977E-05	7.8042E+19	1.8350E+17
I-132		2.4984E+03	2.4204E-07	1.1042E+18	2.4039E+17
I-133		4.1272E+03	3.6434E-06	1.6497E+19	3.6335E+17
I-134		2.7845E+03	1.0438E-07	4.6910E+17	3.1714E+17
I-135		3.6951E+03	1.0522E-06	4.6936E+18	3.3304E+17

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Xe-133	4.0360E+05	2.1562E-03	9.7632E+21	3.5211E+19
Xe-135	1.3954E+05	5.4642E-05	2.4375E+20	1.2451E+19
Cs-134	9.8043E+00	7.5777E-06	3.4055E+19	8.5382E+14
Cs-136	2.7249E+00	3.7179E-08	1.6463E+17	2.3747E+14
Cs-137	4.8171E+00	5.5381E-05	2.4344E+20	4.1950E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	0.6400	Atmosphere	Sump	
Noble gases (atoms)	5.1514E+23	0.0000E+00		
Elemental I (atoms)	9.7782E+19	0.0000E+00		
Organic I (atoms)	3.0242E+18	0.0000E+00		
Aerosols (kg)	6.2997E-05	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)			1.8725E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)			2.3454E-06
Total I (Ci)				1.5210E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.6400 Leakage Transport

Noble gases (atoms)	1.0161E+20
Elemental I (atoms)	1.9387E+16
Organic I (atoms)	5.9960E+14
Aerosols (kg)	1.2425E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	0.6400	Pathway	
		Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23	
Elemental I (atoms)	0.0000E+00	3.8180E+19	
Organic I (atoms)	0.0000E+00	1.1808E+18	
Aerosols (kg)	0.0000E+00	2.4281E-05	

Environment Integral Nuclide Release:

Time (h) =	0.6400	Ci	kg	Atoms	Bq
Kr-85		1.1230E+03	2.8623E-03	2.0279E+22	4.1550E+13
Kr-85m		1.6721E+04	2.0318E-02	1.4395E+23	6.1868E+14
Kr-87		2.9610E+04	1.0453E-06	7.2359E+18	1.0956E+15
Kr-88		4.3308E+04	3.4538E-06	2.3636E+19	1.6024E+15
Rb-86		2.9560E-02	3.6329E-10	2.5440E+15	1.0937E+09
I-131		6.8564E+02	5.5305E-06	2.5424E+19	2.5369E+13
I-132		9.4740E+02	9.1783E-08	4.1873E+17	3.5054E+13
I-133		1.3651E+03	1.2050E-06	5.4563E+18	5.0508E+13
I-134		1.3555E+03	5.0813E-08	2.2836E+17	5.0155E+13
I-135		1.2676E+03	3.6094E-07	1.6101E+18	4.6900E+13
Xe-133		1.3161E+05	7.0310E-04	3.1836E+21	4.8695E+15
Xe-135		4.7132E+04	1.8456E-05	8.2331E+19	1.7439E+15
Cs-134		3.1882E+00	2.4641E-06	1.1074E+19	1.1796E+11
Cs-136		8.8705E-01	1.2103E-08	5.3593E+16	3.2821E+10
Cs-137		1.5664E+00	1.8008E-05	7.9160E+19	5.7957E+10

Environment Transport Group Inventory:

Time (h) =	0.6400	Total Release	Release Rate/s	
Noble gases (atoms)		1.6753E+23	7.2712E+19	
Elemental I (atoms)		3.2143E+19	1.3951E+16	
Organic I (atoms)		9.9412E+17	4.3147E+14	
Aerosols (kg)		2.0485E-05	8.8910E-09	
Dose Effective (Ci)	I-131 (Thyroid)			9.5654E+02
Dose Effective (Ci)	I-131 (ICRP2 Thyroid)			1.2133E+03
Total I (Ci)				5.6212E+03

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DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 0.6400 Leakage Transport

Noble gases (atoms)	1.0161E+20
Elemental I (atoms)	1.9387E+16
Organic I (atoms)	5.9960E+14
Aerosols (kg)	1.2425E-08

Normal Environment to Control Room Transport Group Inventory:

	Pathway	
Time (h) = 0.6400	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.8037E+18
Elemental I (atoms)	0.0000E+00	1.1152E+15
Organic I (atoms)	0.0000E+00	3.4492E+13
Aerosols (kg)	0.0000E+00	7.0965E-10

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.6400	Filtered	Transported
Noble gases (atoms)	3.2681E+18	0.0000E+00
Elemental I (atoms)	6.2463E+14	0.0000E+00
Organic I (atoms)	1.9318E+13	0.0000E+00
Aerosols (kg)	3.9963E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.6400	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.6400	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	1.8039E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	2.6860E+17
Kr-87	4.1703E+03	1.4723E-07	1.0191E+18	4.3181E+17
Kr-88	7.1122E+03	5.6720E-07	3.8815E+18	6.6539E+17
Rb-86	5.4937E-03	6.7517E-11	4.7278E+14	4.7471E+11
I-131	1.2729E+02	1.0267E-06	4.7200E+18	1.1006E+16
I-132	1.5110E+02	1.4639E-08	6.6785E+16	1.4409E+16
I-133	2.4962E+02	2.2035E-07	9.9773E+17	2.1793E+16
I-134	1.6841E+02	6.3130E-09	2.8371E+16	1.8986E+16
I-135	2.2348E+02	6.3636E-08	2.8387E+17	1.9971E+16
Xe-133	2.4410E+04	1.3041E-04	5.9048E+20	2.1119E+18
Xe-135	8.4394E+03	3.3048E-06	1.4742E+19	7.4671E+17
Cs-134	5.9296E-01	4.5830E-07	2.0597E+18	5.1213E+13
Cs-136	1.6480E-01	2.2486E-09	9.9568E+15	1.4243E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	2.5162E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.6400	Atmosphere	Sump
Noble gases (atoms)	3.1156E+22	0.0000E+00
Elemental I (atoms)	5.9139E+18	0.0000E+00
Organic I (atoms)	1.8290E+17	0.0000E+00
Aerosols (kg)	3.8100E-06	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.9774E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		2.4768E-06

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9.1990E+02

Total I (Ci)

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.6400	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.6400	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.6500

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.6500	whole Body	Thyroid	TEDE
Delta dose (rem)	1.5989E-04	2.5378E-03	2.4030E-04
Accumulated dose (rem)	1.8640E+00	2.5360E+01	2.6699E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.6500	whole Body	Thyroid	TEDE
Delta dose (rem)	3.8466E-05	6.1054E-04	5.7809E-05
Accumulated dose (rem)	8.3350E-01	1.1338E+01	1.1938E+00

Control Room Doses:

Time (h) = 0.6500	whole Body	Thyroid	TEDE
Delta dose (rem)	1.3168E-04	4.3167E-02	1.4993E-03
Accumulated dose (rem)	1.2252E-02	3.6813E+00	1.2908E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.6500	Ci	kg	Atoms	Decay
Kr-85	3.4534E+03	8.8023E-03	6.2363E+22	3.0535E+17
Kr-85m	5.1421E+04	6.2484E-02	4.4269E+23	4.5466E+18
Kr-87	6.8578E+04	2.4210E-06	1.6758E+19	7.3000E+18
Kr-88	1.1731E+05	9.3553E-06	6.4022E+19	1.1256E+19
Rb-86	9.0832E-02	1.1163E-09	7.8170E+15	8.0353E+12
I-131	2.1046E+03	1.6976E-05	7.8039E+19	1.8630E+17
I-132	2.4909E+03	2.4131E-07	1.1009E+18	2.4371E+17
I-133	4.1258E+03	3.6421E-06	1.6491E+19	3.6885E+17
I-134	2.7626E+03	1.0356E-07	4.6541E+17	3.2083E+17
I-135	3.6912E+03	1.0511E-06	4.6887E+18	3.3796E+17
Xe-133	4.0358E+05	2.1561E-03	9.7626E+21	3.5748E+19
Xe-135	1.3944E+05	5.4601E-05	2.4357E+20	1.2637E+19
Cs-134	9.8042E+00	7.5777E-06	3.4055E+19	8.6688E+14
Cs-136	2.7248E+00	3.7178E-08	1.6462E+17	2.4110E+14
Cs-137	4.8171E+00	5.5380E-05	2.4344E+20	4.2592E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 0.6500	Atmosphere	Sump
Noble gases (atoms)	5.1514E+23	0.0000E+00
Elemental I (atoms)	9.7762E+19	0.0000E+00

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Organic I (atoms) 3.0236E+18 0.0000E+00
 Aerosols (kg) 6.2996E-05 0.0000E+00
 Dose Effective (Ci/cc) I-131 (Thyroid) 1.8722E-06
 Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid) 2.3445E-06
 Total I (Ci) 1.5175E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 0.6500 Leakage Transport

Noble gases (atoms) 1.0375E+20
 Elemental I (atoms) 1.9794E+16
 Organic I (atoms) 6.1220E+14
 Aerosols (kg) 1.2687E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 0.6500	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 0.6500	Ci	kg	Atoms	Bq
Kr-85	1.1230E+03	2.8623E-03	2.0279E+22	4.1551E+13
Kr-85m	1.6721E+04	2.0319E-02	1.4395E+23	6.1869E+14
Kr-87	2.9610E+04	1.0454E-06	7.2360E+18	1.0956E+15
Kr-88	4.3308E+04	3.4538E-06	2.3636E+19	1.6024E+15
Rb-86	2.9561E-02	3.6330E-10	2.5440E+15	1.0937E+09
I-131	6.8565E+02	5.5305E-06	2.5424E+19	2.5369E+13
I-132	9.4741E+02	9.1784E-08	4.1874E+17	3.5054E+13
I-133	1.3651E+03	1.2050E-06	5.4563E+18	5.0508E+13
I-134	1.3555E+03	5.0814E-08	2.2836E+17	5.0155E+13
I-135	1.2676E+03	3.6094E-07	1.6101E+18	4.6900E+13
Xe-133	1.3161E+05	7.0311E-04	3.1836E+21	4.8695E+15
Xe-135	4.7133E+04	1.8457E-05	8.2332E+19	1.7439E+15
Cs-134	3.1882E+00	2.4642E-06	1.1074E+19	1.1796E+11
Cs-136	8.8706E-01	1.2103E-08	5.3594E+16	3.2821E+10
Cs-137	1.5664E+00	1.8009E-05	7.9161E+19	5.7958E+10

Environment Transport Group Inventory:

Time (h) = 0.6500	Total Release	Release Rate/s
Noble gases (atoms)	1.6753E+23	7.1594E+19
Elemental I (atoms)	3.2144E+19	1.3737E+16
Organic I (atoms)	9.9413E+17	4.2484E+14
Aerosols (kg)	2.0485E-05	8.7544E-09
Dose Effective (Ci) I-131 (Thyroid)		9.5656E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		1.2133E+03
Total I (Ci)		5.6213E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 0.6500 Leakage Transport

Noble gases (atoms) 1.0375E+20
 Elemental I (atoms) 1.9794E+16
 Organic I (atoms) 6.1220E+14
 Aerosols (kg) 1.2687E-08

Normal Environment to Control Room Transport Group Inventory:

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	Pathway	
	Filtered	Transported
Time (h) = 0.6500		
Noble gases (atoms)	0.0000E+00	5.8099E+18
Elemental I (atoms)	0.0000E+00	1.1164E+15
Organic I (atoms)	0.0000E+00	3.4529E+13
Aerosols (kg)	0.0000E+00	7.1041E-10

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 0.6500		
Noble gases (atoms)	3.3079E+18	0.0000E+00
Elemental I (atoms)	6.3219E+14	0.0000E+00
Organic I (atoms)	1.9552E+13	0.0000E+00
Aerosols (kg)	4.0450E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 0.6500		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.6500	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	1.8317E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	2.7274E+17
Kr-87	4.1476E+03	1.4643E-07	1.0136E+18	4.3735E+17
Kr-88	7.0949E+03	5.6581E-07	3.8721E+18	6.7485E+17
Rb-86	5.4936E-03	6.7516E-11	4.7278E+14	4.8203E+11
I-131	1.2729E+02	1.0267E-06	4.7198E+18	1.1176E+16
I-132	1.5065E+02	1.4595E-08	6.6584E+16	1.4610E+16
I-133	2.4953E+02	2.2028E-07	9.9740E+17	2.2125E+16
I-134	1.6708E+02	6.2633E-09	2.8148E+16	1.9210E+16
I-135	2.2325E+02	6.3570E-08	2.8357E+17	2.0269E+16
Xe-133	2.4409E+04	1.3040E-04	5.9045E+20	2.1445E+18
Xe-135	8.4331E+03	3.3023E-06	1.4731E+19	7.5795E+17
Cs-134	5.9296E-01	4.5830E-07	2.0597E+18	5.2003E+13
Cs-136	1.6480E-01	2.2485E-09	9.9566E+15	1.4463E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	2.5550E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.6500	Atmosphere	Sump	
Noble gases (atoms)	3.1156E+22	0.0000E+00	
Elemental I (atoms)	5.9127E+18	0.0000E+00	
Organic I (atoms)	1.8287E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.9770E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.4758E-06
Total I (Ci)			9.1780E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 0.6500		
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

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MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.6500	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.6600

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.6600	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.5946E-04	2.5374E-03	2.3985E-04
Accumulated dose (rem)	1.8642E+00	2.5362E+01	2.6702E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.6600	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.8362E-05	6.1044E-04	5.7701E-05
Accumulated dose (rem)	8.3354E-01	1.1338E+01	1.1939E+00

Control Room Doses:

Time (h) = 0.6600	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.2956E-04	4.2579E-02	1.4785E-03
Accumulated dose (rem)	1.2381E-02	3.7239E+00	1.3056E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.6600	Ci	kg	Atoms	Decay
Kr-85	3.4534E+03	8.8022E-03	6.2363E+22	3.0995E+17
Kr-85m	5.1421E+04	6.2484E-02	4.4269E+23	4.6151E+18
Kr-87	6.8204E+04	2.4079E-06	1.6667E+19	7.3910E+18
Kr-88	1.1702E+05	9.3325E-06	6.3865E+19	1.1412E+19
Rb-86	9.0831E-02	1.1163E-09	7.8169E+15	8.1563E+12
I-131	2.1045E+03	1.6975E-05	7.8036E+19	1.8911E+17
I-132	2.4833E+03	2.4058E-07	1.0976E+18	2.4703E+17
I-133	4.1245E+03	3.6409E-06	1.6486E+19	3.7434E+17
I-134	2.7408E+03	1.0274E-07	4.6174E+17	3.2450E+17
I-135	3.6874E+03	1.0500E-06	4.6838E+18	3.4287E+17
Xe-133	4.0356E+05	2.1560E-03	9.7620E+21	3.6286E+19
Xe-135	1.3933E+05	5.4560E-05	2.4338E+20	1.2823E+19
Cs-134	9.8042E+00	7.5776E-06	3.4055E+19	8.7994E+14
Cs-136	2.7247E+00	3.7177E-08	1.6462E+17	2.4473E+14
Cs-137	4.8171E+00	5.5380E-05	2.4344E+20	4.3233E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 0.6600	Atmosphere	Sump
Noble gases (atoms)	5.1514E+23	0.0000E+00
Elemental I (atoms)	9.7742E+19	0.0000E+00
Organic I (atoms)	3.0229E+18	0.0000E+00
Aerosols (kg)	6.2996E-05	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.8719E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		2.3436E-06
Total I (Ci)		1.5140E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.6600 Leakage Transport

Noble gases (atoms) 1.0590E+20

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Elemental I (atoms)	2.0202E+16
Organic I (atoms)	6.2480E+14
Aerosols (kg)	1.2950E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 0.6600	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 0.6600	Ci	kg	Atoms	Bq
Kr-85	1.1230E+03	2.8624E-03	2.0279E+22	4.1551E+13
Kr-85m	1.6721E+04	2.0319E-02	1.4396E+23	6.1869E+14
Kr-87	2.9611E+04	1.0454E-06	7.2360E+18	1.0956E+15
Kr-88	4.3309E+04	3.4539E-06	2.3636E+19	1.6024E+15
Rb-86	2.9561E-02	3.6330E-10	2.5440E+15	1.0938E+09
I-131	6.8565E+02	5.5306E-06	2.5424E+19	2.5369E+13
I-132	9.4742E+02	9.1785E-08	4.1874E+17	3.5054E+13
I-133	1.3651E+03	1.2051E-06	5.4564E+18	5.0509E+13
I-134	1.3556E+03	5.0814E-08	2.2837E+17	5.0155E+13
I-135	1.2676E+03	3.6095E-07	1.6101E+18	4.6901E+13
Xe-133	1.3161E+05	7.0311E-04	3.1836E+21	4.8696E+15
Xe-135	4.7134E+04	1.8457E-05	8.2333E+19	1.7439E+15
Cs-134	3.1882E+00	2.4642E-06	1.1074E+19	1.1796E+11
Cs-136	8.8707E-01	1.2103E-08	5.3595E+16	3.2822E+10
Cs-137	1.5664E+00	1.8009E-05	7.9162E+19	5.7958E+10

Environment Transport Group Inventory:

Time (h) = 0.6600	Total Release	Release Rate/s
Noble gases (atoms)	1.6753E+23	7.0510E+19
Elemental I (atoms)	3.2144E+19	1.3529E+16
Organic I (atoms)	9.9414E+17	4.1841E+14
Aerosols (kg)	2.0485E-05	8.6218E-09
Dose Effective (Ci) I-131 (Thyroid)		9.5657E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		1.2133E+03
Total I (Ci)		5.6213E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 0.6600 Leakage Transport

Noble gases (atoms)	1.0590E+20
Elemental I (atoms)	2.0202E+16
Organic I (atoms)	6.2480E+14
Aerosols (kg)	1.2950E-08

Normal Environment to Control Room Transport Group Inventory:

	Pathway	
Time (h) = 0.6600	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.8161E+18
Elemental I (atoms)	0.0000E+00	1.1176E+15
Organic I (atoms)	0.0000E+00	3.4565E+13
Aerosols (kg)	0.0000E+00	7.1117E-10

Normal Return Control Room to Environment Transport Group Inventory:

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	Pathway	
Time (h) = 0.6600	Filtered	Transported
Noble gases (atoms)	3.3472E+18	0.0000E+00
Elemental I (atoms)	6.3965E+14	0.0000E+00
Organic I (atoms)	1.9783E+13	0.0000E+00
Aerosols (kg)	4.0930E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.6600	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.6600	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	1.8596E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	2.7689E+17
Kr-87	4.1250E+03	1.4563E-07	1.0080E+18	4.4286E+17
Kr-88	7.0776E+03	5.6443E-07	3.8626E+18	6.8429E+17
Rb-86	5.4935E-03	6.7515E-11	4.7277E+14	4.8934E+11
I-131	1.2728E+02	1.0267E-06	4.7197E+18	1.1346E+16
I-132	1.5019E+02	1.4551E-08	6.6384E+16	1.4810E+16
I-133	2.4945E+02	2.2020E-07	9.9707E+17	2.2457E+16
I-134	1.6577E+02	6.2139E-09	2.7926E+16	1.9431E+16
I-135	2.2301E+02	6.3503E-08	2.8328E+17	2.0566E+16
Xe-133	2.4407E+04	1.3039E-04	5.9041E+20	2.1770E+18
Xe-135	8.4269E+03	3.2998E-06	1.4720E+19	7.6918E+17
Cs-134	5.9296E-01	4.5830E-07	2.0597E+18	5.2793E+13
Cs-136	1.6479E-01	2.2485E-09	9.9563E+15	1.4682E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	2.5938E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.6600	Atmosphere	Sump	
Noble gases (atoms)	3.1156E+22	0.0000E+00	
Elemental I (atoms)	5.9115E+18	0.0000E+00	
Organic I (atoms)	1.8283E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.9767E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.4749E-06
Total I (Ci)			9.1571E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 0.6600	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.6600	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

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Detailed model information at time (H) = 0.6700

CRDA @ EAB - Condenser Release Doses:

Time (h) =	0.6700	Whole Body	Thyroid	TEDE
Delta dose (rem)		1.5903E-04	2.5370E-03	2.3940E-04
Accumulated dose (rem)		1.8643E+00	2.5365E+01	2.6704E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	0.6700	Whole Body	Thyroid	TEDE
Delta dose (rem)		3.8259E-05	6.1033E-04	5.7594E-05
Accumulated dose (rem)		8.3358E-01	1.1339E+01	1.1939E+00

Control Room Doses:

Time (h) =	0.6700	Whole Body	Thyroid	TEDE
Delta dose (rem)		1.2748E-04	4.2001E-02	1.4581E-03
Accumulated dose (rem)		1.2509E-02	3.7659E+00	1.3202E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	0.6700	Ci	kg	Atoms	Decay
Kr-85		3.4534E+03	8.8022E-03	6.2362E+22	3.1455E+17
Kr-85m		5.1421E+04	6.2483E-02	4.4269E+23	4.6836E+18
Kr-87		6.7833E+04	2.3948E-06	1.6577E+19	7.4816E+18
Kr-88		1.1674E+05	9.3097E-06	6.3709E+19	1.1568E+19
Rb-86		9.0829E-02	1.1163E-09	7.8167E+15	8.2773E+12
I-131		2.1044E+03	1.6975E-05	7.8033E+19	1.9191E+17
I-132		2.4759E+03	2.3986E-07	1.0943E+18	2.5033E+17
I-133		4.1231E+03	3.6397E-06	1.6480E+19	3.7984E+17
I-134		2.7192E+03	1.0193E-07	4.5810E+17	3.2814E+17
I-135		3.6835E+03	1.0489E-06	4.6788E+18	3.4778E+17
Xe-133		4.0353E+05	2.1558E-03	9.7615E+21	3.6823E+19
Xe-135		1.3923E+05	5.4519E-05	2.4320E+20	1.3008E+19
Cs-134		9.8041E+00	7.5776E-06	3.4055E+19	8.9300E+14
Cs-136		2.7246E+00	3.7176E-08	1.6462E+17	2.4836E+14
Cs-137		4.8170E+00	5.5380E-05	2.4343E+20	4.3875E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	0.6700	Atmosphere	Sump
Noble gases (atoms)		5.1513E+23	0.0000E+00
Elemental I (atoms)		9.7722E+19	0.0000E+00
Organic I (atoms)		3.0223E+18	0.0000E+00
Aerosols (kg)		6.2996E-05	0.0000E+00
Dose Effective (Ci/cc)		I-131 (Thyroid)	1.8716E-06
Dose Effective (Ci/cc)		I-131 (ICRP2 Thyroid)	2.3427E-06
Total I (Ci)			1.5106E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.6700 Leakage Transport

Noble gases (atoms)	1.0804E+20
Elemental I (atoms)	2.0609E+16
Organic I (atoms)	6.3739E+14
Aerosols (kg)	1.3212E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	0.6700	Pathway
		Filtered
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19

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Organic I (atoms) 0.0000E+00 1.1808E+18
 Aerosols (kg) 0.0000E+00 2.4281E-05

Environment Integral Nuclide Release:

Time (h) =	0.6700	Ci	kg	Atoms	Bq
Kr-85		1.1230E+03	2.8624E-03	2.0280E+22	4.1552E+13
Kr-85m		1.6722E+04	2.0319E-02	1.4396E+23	6.1870E+14
Kr-87		2.9611E+04	1.0454E-06	7.2361E+18	1.0956E+15
Kr-88		4.3309E+04	3.4539E-06	2.3636E+19	1.6025E+15
Rb-86		2.9561E-02	3.6331E-10	2.5441E+15	1.0938E+09
I-131		6.8566E+02	5.5307E-06	2.5425E+19	2.5370E+13
I-132		9.4743E+02	9.1786E-08	4.1875E+17	3.5055E+13
I-133		1.3651E+03	1.2051E-06	5.4565E+18	5.0509E+13
I-134		1.3556E+03	5.0814E-08	2.2837E+17	5.0156E+13
I-135		1.2676E+03	3.6095E-07	1.6101E+18	4.6902E+13
Xe-133		1.3161E+05	7.0312E-04	3.1837E+21	4.8696E+15
Xe-135		4.7134E+04	1.8457E-05	8.2334E+19	1.7440E+15
Cs-134		3.1883E+00	2.4642E-06	1.1075E+19	1.1797E+11
Cs-136		8.8709E-01	1.2104E-08	5.3595E+16	3.2822E+10
Cs-137		1.5665E+00	1.8009E-05	7.9163E+19	5.7959E+10

Environment Transport Group Inventory:

Time (h) =	0.6700	Total Release	Release Rate/s
Noble gases (atoms)		1.6753E+23	6.9459E+19
Elemental I (atoms)		3.2144E+19	1.3327E+16
Organic I (atoms)		9.9416E+17	4.1217E+14
Aerosols (kg)		2.0486E-05	8.4933E-09
Dose Effective (Ci) I-131 (Thyroid)			9.5658E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2133E+03
Total I (Ci)			5.6214E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 0.6700 Leakge Transport

Noble gases (atoms) 1.0804E+20
 Elemental I (atoms) 2.0609E+16
 Organic I (atoms) 6.3739E+14
 Aerosols (kg) 1.3212E-08

Normal Environment to Control Room Transport Group Inventory:

Time (h) =	0.6700	Pathway Filtered	Transported
Noble gases (atoms)		0.0000E+00	5.8223E+18
Elemental I (atoms)		0.0000E+00	1.1188E+15
Organic I (atoms)		0.0000E+00	3.4602E+13
Aerosols (kg)		0.0000E+00	7.1193E-10

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) =	0.6700	Pathway Filtered	Transported
Noble gases (atoms)		3.3860E+18	0.0000E+00
Elemental I (atoms)		6.4700E+14	0.0000E+00
Organic I (atoms)		2.0010E+13	0.0000E+00
Aerosols (kg)		4.1404E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Pathway

CRDA GAP MVP TRIP 10 MIN.o0

Time (h) = 0.6700	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.6700	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	1.8874E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	2.8103E+17
Kr-87	4.1026E+03	1.4484E-07	1.0026E+18	4.4834E+17
Kr-88	7.0603E+03	5.6306E-07	3.8532E+18	6.9371E+17
Rb-86	5.4934E-03	6.7514E-11	4.7276E+14	4.9666E+11
I-131	1.2728E+02	1.0266E-06	4.7195E+18	1.1515E+16
I-132	1.4974E+02	1.4507E-08	6.6184E+16	1.5010E+16
I-133	2.4937E+02	2.2013E-07	9.9673E+17	2.2790E+16
I-134	1.6446E+02	6.1650E-09	2.7706E+16	1.9651E+16
I-135	2.2278E+02	6.3437E-08	2.8298E+17	2.0863E+16
Xe-133	2.4406E+04	1.3039E-04	5.9038E+20	2.2095E+18
Xe-135	8.4206E+03	3.2974E-06	1.4709E+19	7.8040E+17
Cs-134	5.9296E-01	4.5830E-07	2.0597E+18	5.3583E+13
Cs-136	1.6479E-01	2.2484E-09	9.9561E+15	1.4902E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	2.6326E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.6700	Atmosphere	Sump	
Noble gases (atoms)	3.1156E+22	0.0000E+00	
Elemental I (atoms)	5.9103E+18	0.0000E+00	
Organic I (atoms)	1.8279E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.9764E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.4739E-06
Total I (Ci)			9.1363E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 0.6700	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.6700	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.6800

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.6800	whole Body	Thyroid	TEDE
Delta dose (rem)	1.5860E-04	2.5366E-03	2.3896E-04
Accumulated dose (rem)	1.8645E+00	2.5367E+01	2.6707E+00

CRDA @ LPZ - Condenser Release Doses:

CRDA GAP MVP TRIP 10 MIN.o0
 Time (h) = 0.6800 Whole Body Thyroid TEDE
 Delta dose (rem) 3.8156E-05 6.1023E-04 5.7487E-05
 Accumulated dose (rem) 8.3362E-01 1.1339E+01 1.1940E+00

Control Room Doses:

Time (h) = 0.6800 Whole Body Thyroid TEDE
 Delta dose (rem) 1.2544E-04 4.1432E-02 1.4379E-03
 Accumulated dose (rem) 1.2634E-02 3.8073E+00 1.3345E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	Ci	kg	Atoms	Decay
0.6800				
Kr-85	3.4534E+03	8.8021E-03	6.2362E+22	3.1915E+17
Kr-85m	5.1421E+04	6.2483E-02	4.4268E+23	4.7521E+18
Kr-87	6.7464E+04	2.3817E-06	1.6486E+19	7.5718E+18
Kr-88	1.1645E+05	9.2870E-06	6.3554E+19	1.1723E+19
Rb-86	9.0827E-02	1.1163E-09	7.8166E+15	8.3983E+12
I-131	2.1043E+03	1.6974E-05	7.8030E+19	1.9471E+17
I-132	2.4684E+03	2.3914E-07	1.0910E+18	2.5362E+17
I-133	4.1217E+03	3.6384E-06	1.6475E+19	3.8533E+17
I-134	2.6978E+03	1.0113E-07	4.5449E+17	3.3174E+17
I-135	3.6796E+03	1.0478E-06	4.6739E+18	3.5268E+17
Xe-133	4.0351E+05	2.1557E-03	9.7609E+21	3.7361E+19
Xe-135	1.3912E+05	5.4478E-05	2.4302E+20	1.3194E+19
Cs-134	9.8041E+00	7.5776E-06	3.4055E+19	9.0606E+14
Cs-136	2.7246E+00	3.7175E-08	1.6461E+17	2.5198E+14
Cs-137	4.8170E+00	5.5380E-05	2.4343E+20	4.4517E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	Atmosphere	Sump	
0.6800			
Noble gases (atoms)	5.1513E+23	0.0000E+00	
Elemental I (atoms)	9.7702E+19	0.0000E+00	
Organic I (atoms)	3.0217E+18	0.0000E+00	
Aerosols (kg)	6.2995E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.8712E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.3418E-06
Total I (Ci)			1.5072E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.6800 Leakage Transport

Noble gases (atoms)	1.1019E+20
Elemental I (atoms)	2.1016E+16
Organic I (atoms)	6.4999E+14
Aerosols (kg)	1.3475E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	Pathway	
0.6800	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) =	Ci	kg	Atoms	Bq
0.6800				
Kr-85	1.1230E+03	2.8624E-03	2.0280E+22	4.1552E+13
Kr-85m	1.6722E+04	2.0319E-02	1.4396E+23	6.1871E+14
Kr-87	2.9611E+04	1.0454E-06	7.2362E+18	1.0956E+15
Kr-88	4.3310E+04	3.4540E-06	2.3637E+19	1.6025E+15

	CRDA	GAP	MVP	TRIP	10 MIN.o0
Rb-86	2.9562E-02	3.6331E-10	2.5441E+15	1.0938E+09	
I-131	6.8567E+02	5.5307E-06	2.5425E+19	2.5370E+13	
I-132	9.4744E+02	9.1787E-08	4.1875E+17	3.5055E+13	
I-133	1.3651E+03	1.2051E-06	5.4566E+18	5.0510E+13	
I-134	1.3556E+03	5.0815E-08	2.2837E+17	5.0156E+13	
I-135	1.2676E+03	3.6096E-07	1.6102E+18	4.6902E+13	
Xe-133	1.3161E+05	7.0313E-04	3.1837E+21	4.8697E+15	
Xe-135	4.7135E+04	1.8457E-05	8.2335E+19	1.7440E+15	
Cs-134	3.1883E+00	2.4642E-06	1.1075E+19	1.1797E+11	
Cs-136	8.8710E-01	1.2104E-08	5.3596E+16	3.2823E+10	
Cs-137	1.5665E+00	1.8009E-05	7.9164E+19	5.7960E+10	

Environment Transport Group Inventory:

	Total Release	Release Rate/s
Time (h) = 0.6800		
Noble gases (atoms)	1.6754E+23	6.8438E+19
Elemental I (atoms)	3.2145E+19	1.3131E+16
Organic I (atoms)	9.9417E+17	4.0611E+14
Aerosols (kg)	2.0486E-05	8.3685E-09
Dose Effective (Ci) I-131 (Thyroid)		9.5659E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		1.2133E+03
Total I (Ci)		5.6214E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.6800 Leakage Transport

Noble gases (atoms)	1.1019E+20
Elemental I (atoms)	2.1016E+16
Organic I (atoms)	6.4999E+14
Aerosols (kg)	1.3475E-08

Normal Environment to Control Room Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 0.6800		
Noble gases (atoms)	0.0000E+00	5.8286E+18
Elemental I (atoms)	0.0000E+00	1.1200E+15
Organic I (atoms)	0.0000E+00	3.4638E+13
Aerosols (kg)	0.0000E+00	7.1269E-10

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 0.6800		
Noble gases (atoms)	3.4242E+18	0.0000E+00
Elemental I (atoms)	6.5426E+14	0.0000E+00
Organic I (atoms)	2.0235E+13	0.0000E+00
Aerosols (kg)	4.1872E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 0.6800		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.6800	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	1.9152E+16

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Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	2.8517E+17
Kr-87	4.0803E+03	1.4405E-07	9.9712E+17	4.5379E+17
Kr-88	7.0431E+03	5.6169E-07	3.8438E+18	7.0310E+17
Rb-86	5.4933E-03	6.7513E-11	4.7276E+14	5.0398E+11
I-131	1.2727E+02	1.0266E-06	4.7193E+18	1.1685E+16
I-132	1.4929E+02	1.4463E-08	6.5985E+16	1.5209E+16
I-133	2.4928E+02	2.2006E-07	9.9640E+17	2.3122E+16
I-134	1.6317E+02	6.1165E-09	2.7488E+16	1.9869E+16
I-135	2.2255E+02	6.3370E-08	2.8268E+17	2.1159E+16
Xe-133	2.4405E+04	1.3038E-04	5.9035E+20	2.2420E+18
Xe-135	8.4143E+03	3.2949E-06	1.4698E+19	7.9161E+17
Cs-134	5.9296E-01	4.5830E-07	2.0597E+18	5.4372E+13
Cs-136	1.6479E-01	2.2484E-09	9.9559E+15	1.5121E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	2.6714E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.6800	Atmosphere	Sump
Noble gases (atoms)	3.1156E+22	0.0000E+00
Elemental I (atoms)	5.9091E+18	0.0000E+00
Organic I (atoms)	1.8276E+17	0.0000E+00
Aerosols (kg)	3.8100E-06	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.9761E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		2.4730E-06
Total I (Ci)		9.1156E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.6800	Pathway	Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18
Aerosols (kg)		0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.6800	Pathway	Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9217E+23
Elemental I (atoms)		0.0000E+00	3.6947E+19
Organic I (atoms)		0.0000E+00	1.1427E+18
Aerosols (kg)		0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.6900

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.6900	whole Body	Thyroid	TEDE
Delta dose (rem)	1.5818E-04	2.5361E-03	2.3852E-04
Accumulated dose (rem)	1.8646E+00	2.5370E+01	2.6709E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.6900	whole Body	Thyroid	TEDE
Delta dose (rem)	3.8054E-05	6.1013E-04	5.7381E-05
Accumulated dose (rem)	8.3366E-01	1.1340E+01	1.1940E+00

Control Room Doses:

Time (h) = 0.6900	whole Body	Thyroid	TEDE
Delta dose (rem)	1.2343E-04	4.0873E-02	1.4181E-03
Accumulated dose (rem)	1.2758E-02	3.8482E+00	1.3487E-01

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DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	Ci	kg	Atoms	Decay
0.6900				
Kr-85	3.4534E+03	8.8021E-03	6.2362E+22	3.2375E+17
Kr-85m	5.1420E+04	6.2483E-02	4.4268E+23	4.8206E+18
Kr-87	6.7097E+04	2.3688E-06	1.6397E+19	7.6614E+18
Kr-88	1.1617E+05	9.2643E-06	6.3399E+19	1.1878E+19
Rb-86	9.0825E-02	1.1162E-09	7.8164E+15	8.5193E+12
I-131	2.1042E+03	1.6973E-05	7.8026E+19	1.9752E+17
I-132	2.4610E+03	2.3842E-07	1.0877E+18	2.5690E+17
I-133	4.1203E+03	3.6372E-06	1.6469E+19	3.9082E+17
I-134	2.6766E+03	1.0033E-07	4.5091E+17	3.3532E+17
I-135	3.6757E+03	1.0467E-06	4.6690E+18	3.5758E+17
Xe-133	4.0349E+05	2.1556E-03	9.7603E+21	3.7898E+19
Xe-135	1.3902E+05	5.4438E-05	2.4284E+20	1.3379E+19
Cs-134	9.8040E+00	7.5775E-06	3.4054E+19	9.1912E+14
Cs-136	2.7245E+00	3.7174E-08	1.6461E+17	2.5561E+14
Cs-137	4.8170E+00	5.5379E-05	2.4343E+20	4.5158E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	Atmosphere	Sump	
0.6900			
Noble gases (atoms)	5.1513E+23	0.0000E+00	
Elemental I (atoms)	9.7682E+19	0.0000E+00	
Organic I (atoms)	3.0211E+18	0.0000E+00	
Aerosols (kg)	6.2995E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.8709E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.3409E-06
Total I (Ci)			1.5038E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.6900 Leakage Transport

Noble gases (atoms)	1.1234E+20
Elemental I (atoms)	2.1423E+16
Organic I (atoms)	6.6258E+14
Aerosols (kg)	1.3737E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	Pathway	Filtered	Transported
0.6900			
Noble gases (atoms)		0.0000E+00	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18
Aerosols (kg)		0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) =	Ci	kg	Atoms	Bq
0.6900				
Kr-85	1.1230E+03	2.8625E-03	2.0280E+22	4.1553E+13
Kr-85m	1.6722E+04	2.0320E-02	1.4396E+23	6.1872E+14
Kr-87	2.9611E+04	1.0454E-06	7.2362E+18	1.0956E+15
Kr-88	4.3310E+04	3.4540E-06	2.3637E+19	1.6025E+15
Rb-86	2.9562E-02	3.6332E-10	2.5441E+15	1.0938E+09
I-131	6.8568E+02	5.5308E-06	2.5425E+19	2.5370E+13
I-132	9.4745E+02	9.1788E-08	4.1876E+17	3.5056E+13
I-133	1.3652E+03	1.2051E-06	5.4566E+18	5.0511E+13
I-134	1.3556E+03	5.0815E-08	2.2837E+17	5.0157E+13
I-135	1.2676E+03	3.6096E-07	1.6102E+18	4.6903E+13
Xe-133	1.3162E+05	7.0314E-04	3.1838E+21	4.8698E+15
Xe-135	4.7135E+04	1.8457E-05	8.2336E+19	1.7440E+15
Cs-134	3.1884E+00	2.4643E-06	1.1075E+19	1.1797E+11
Cs-136	8.8711E-01	1.2104E-08	5.3597E+16	3.2823E+10

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Cs-137 1.5665E+00 1.8009E-05 7.9165E+19 5.7960E+10

Environment Transport Group Inventory:

	Total	Release	
Time (h) =	Release	Rate/s	
0.6900			
Noble gases (atoms)	1.6754E+23	6.7447E+19	
Elemental I (atoms)	3.2145E+19	1.2941E+16	
Organic I (atoms)	9.9418E+17	4.0023E+14	
Aerosols (kg)	2.0486E-05	8.2473E-09	
Dose Effective (Ci) I-131 (Thyroid)			9.5660E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2133E+03
Total I (Ci)			5.6215E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.6900 Leakage Transport

Noble gases (atoms)	1.1234E+20
Elemental I (atoms)	2.1423E+16
Organic I (atoms)	6.6258E+14
Aerosols (kg)	1.3737E-08

Normal Environment to Control Room Transport Group Inventory:

	Pathway	
Time (h) =	Filtered	Transported
0.6900		
Noble gases (atoms)	0.0000E+00	5.8348E+18
Elemental I (atoms)	0.0000E+00	1.1211E+15
Organic I (atoms)	0.0000E+00	3.4675E+13
Aerosols (kg)	0.0000E+00	7.1345E-10

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway	
Time (h) =	Filtered	Transported
0.6900		
Noble gases (atoms)	3.4620E+18	0.0000E+00
Elemental I (atoms)	6.6141E+14	0.0000E+00
Organic I (atoms)	2.0456E+13	0.0000E+00
Aerosols (kg)	4.2334E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) =	Filtered	Transported
0.6900		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) =	Ci	kg	Atoms	Decay
0.6900				
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	1.9430E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	2.8931E+17
Kr-87	4.0581E+03	1.4327E-07	9.9170E+17	4.5921E+17
Kr-88	7.0259E+03	5.6032E-07	3.8344E+18	7.1247E+17
Rb-86	5.4932E-03	6.7511E-11	4.7275E+14	5.1130E+11
I-131	1.2727E+02	1.0266E-06	4.7191E+18	1.1854E+16
I-132	1.4884E+02	1.4420E-08	6.5786E+16	1.5408E+16
I-133	2.4920E+02	2.1998E-07	9.9607E+17	2.3454E+16
I-134	1.6188E+02	6.0683E-09	2.7272E+16	2.0086E+16
I-135	2.2231E+02	6.3304E-08	2.8239E+17	2.1456E+16
Xe-133	2.4403E+04	1.3037E-04	5.9032E+20	2.2745E+18

	CRDA	GAP	MVP	TRIP	10 MIN.00
Xe-135	8.4080E+03	3.2925E-06	1.4687E+19	8.0281E+17	
Cs-134	5.9296E-01	4.5830E-07	2.0597E+18	5.5162E+13	
Cs-136	1.6478E-01	2.2483E-09	9.9557E+15	1.5341E+13	
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	2.7102E+13	

MVP Holdup Transport Group Inventory:

Time (h) =	0.6900	Atmosphere	Sump
Noble gases (atoms)	3.1156E+22	0.0000E+00	
Elemental I (atoms)	5.9079E+18	0.0000E+00	
Organic I (atoms)	1.8272E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)	1.9757E-06	
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)	2.4720E-06	
Total I (Ci)		9.0951E+02	

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	0.6900	Pathway	Filtered	Transported
Noble gases (atoms)	0.0000E+00		1.9857E+23	
Elemental I (atoms)	0.0000E+00		3.8180E+19	
Organic I (atoms)	0.0000E+00		1.1808E+18	
Aerosols (kg)	0.0000E+00		2.4281E-05	

MVP Holdup to Environment Transport Group Inventory:

Time (h) =	0.6900	Pathway	Filtered	Transported
Noble gases (atoms)	0.0000E+00		1.9217E+23	
Elemental I (atoms)	0.0000E+00		3.6947E+19	
Organic I (atoms)	0.0000E+00		1.1427E+18	
Aerosols (kg)	0.0000E+00		2.3498E-05	

Detailed model information at time (H) = 0.7000

CRDA @ EAB - Condenser Release Doses:

Time (h) =	0.7000	whole Body	Thyroid	TEDE
Delta dose (rem)	1.5776E-04	2.5357E-03	2.3807E-04	
Accumulated dose (rem)	1.8648E+00	2.5372E+01	2.6711E+00	

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	0.7000	whole Body	Thyroid	TEDE
Delta dose (rem)	3.7952E-05	6.1002E-04	5.7275E-05	
Accumulated dose (rem)	8.3369E-01	1.1341E+01	1.1941E+00	

Control Room Doses:

Time (h) =	0.7000	whole Body	Thyroid	TEDE
Delta dose (rem)	1.2146E-04	4.0322E-02	1.3987E-03	
Accumulated dose (rem)	1.2879E-02	3.8885E+00	1.3627E-01	

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	0.7000	Ci	kg	Atoms	Decay
Kr-85	3.4534E+03	8.8021E-03	6.2361E+22	3.2835E+17	
Kr-85m	5.1420E+04	6.2482E-02	4.4268E+23	4.8891E+18	
Kr-87	6.6732E+04	2.3559E-06	1.6308E+19	7.7505E+18	
Kr-88	1.1588E+05	9.2417E-06	6.3244E+19	1.2033E+19	
Rb-86	9.0823E-02	1.1162E-09	7.8163E+15	8.6403E+12	
I-131	2.1042E+03	1.6972E-05	7.8023E+19	2.0032E+17	
I-132	2.4536E+03	2.3770E-07	1.0844E+18	2.6018E+17	

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I-133	4.1189E+03	3.6360E-06	1.6463E+19	3.9630E+17
I-134	2.6555E+03	9.9543E-08	4.4736E+17	3.3887E+17
I-135	3.6719E+03	1.0456E-06	4.6641E+18	3.6247E+17
Xe-133	4.0346E+05	2.1555E-03	9.7597E+21	3.8436E+19
Xe-135	1.3891E+05	5.4397E-05	2.4266E+20	1.3564E+19
Cs-134	9.8040E+00	7.5775E-06	3.4054E+19	9.3218E+14
Cs-136	2.7244E+00	3.7173E-08	1.6460E+17	2.5924E+14
Cs-137	4.8170E+00	5.5379E-05	2.4343E+20	4.5800E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	0.7000	Atmosphere	Sump	
Noble gases (atoms)	5.1512E+23	0.0000E+00		
Elemental I (atoms)	9.7662E+19	0.0000E+00		
Organic I (atoms)	3.0205E+18	0.0000E+00		
Aerosols (kg)	6.2995E-05	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)			1.8706E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)			2.3400E-06
Total I (Ci)				1.5004E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.7000 Leakage Transport

Noble gases (atoms)	1.1448E+20
Elemental I (atoms)	2.1830E+16
Organic I (atoms)	6.7517E+14
Aerosols (kg)	1.4000E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	0.7000	Pathway	
		Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23	
Elemental I (atoms)	0.0000E+00	3.8180E+19	
Organic I (atoms)	0.0000E+00	1.1808E+18	
Aerosols (kg)	0.0000E+00	2.4281E-05	

Environment Integral Nuclide Release:

Time (h) =	0.7000	Ci	kg	Atoms	Bq
Kr-85		1.1231E+03	2.8625E-03	2.0280E+22	4.1553E+13
Kr-85m		1.6722E+04	2.0320E-02	1.4396E+23	6.1873E+14
Kr-87		2.9612E+04	1.0450E-06	7.2363E+18	1.0956E+15
Kr-88		4.3311E+04	3.4540E-06	2.3637E+19	1.6025E+15
Rb-86		2.9563E-02	3.6332E-10	2.5442E+15	1.0938E+09
I-131		6.8569E+02	5.5309E-06	2.5426E+19	2.5371E+13
I-132		9.4746E+02	9.1789E-08	4.1876E+17	3.5056E+13
I-133		1.3652E+03	1.2051E-06	5.4567E+18	5.0511E+13
I-134		1.3556E+03	5.0816E-08	2.2837E+17	5.0157E+13
I-135		1.2677E+03	3.6096E-07	1.6102E+18	4.6903E+13
Xe-133		1.3162E+05	7.0315E-04	3.1838E+21	4.8698E+15
Xe-135		4.7136E+04	1.8458E-05	8.2337E+19	1.7440E+15
Cs-134		3.1884E+00	2.4643E-06	1.1075E+19	1.1797E+11
Cs-136		8.8712E-01	1.2104E-08	5.3597E+16	3.2823E+10
Cs-137		1.5665E+00	1.8010E-05	7.9166E+19	5.7961E+10

Environment Transport Group Inventory:

Time (h) =	0.7000	Total Release	Release Rate/s
Noble gases (atoms)		1.6754E+23	6.6485E+19
Elemental I (atoms)		3.2146E+19	1.2756E+16
Organic I (atoms)		9.9419E+17	3.9452E+14
Aerosols (kg)		2.0487E-05	8.1296E-09

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Dose Effective (Ci) I-131 (Thyroid) 9.5662E+02
 Dose Effective (Ci) I-131 (ICRP2 Thyroid) 1.2133E+03
 Total I (Ci) 5.6216E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 0.7000 Leakage Transport

Noble gases (atoms) 1.1448E+20
 Elemental I (atoms) 2.1830E+16
 Organic I (atoms) 6.7517E+14
 Aerosols (kg) 1.4000E-08

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 0.7000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.8410E+18
Elemental I (atoms)	0.0000E+00	1.1223E+15
Organic I (atoms)	0.0000E+00	3.4711E+13
Aerosols (kg)	0.0000E+00	7.1421E-10

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 0.7000	Pathway	
	Filtered	Transported
Noble gases (atoms)	3.4992E+18	0.0000E+00
Elemental I (atoms)	6.6848E+14	0.0000E+00
Organic I (atoms)	2.0674E+13	0.0000E+00
Aerosols (kg)	4.2789E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.7000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.7000	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	1.9708E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	2.9346E+17
Kr-87	4.0361E+03	1.4249E-07	9.8631E+17	4.6460E+17
Kr-88	7.0088E+03	5.5895E-07	3.8251E+18	7.2182E+17
Rb-86	5.4931E-03	6.7510E-11	4.7274E+14	5.1861E+11
I-131	1.2726E+02	1.0265E-06	4.7190E+18	1.2024E+16
I-132	1.4839E+02	1.4376E-08	6.5588E+16	1.5606E+16
I-133	2.4912E+02	2.1991E-07	9.9574E+17	2.3786E+16
I-134	1.6061E+02	6.0205E-09	2.7057E+16	2.0301E+16
I-135	2.2208E+02	6.3237E-08	2.8209E+17	2.1752E+16
Xe-133	2.4402E+04	1.3037E-04	5.9028E+20	2.3070E+18
Xe-135	8.4018E+03	3.2900E-06	1.4676E+19	8.1401E+17
Cs-134	5.9296E-01	4.5830E-07	2.0597E+18	5.5952E+13
Cs-136	1.6478E-01	2.2483E-09	9.9555E+15	1.5560E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	2.7491E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.7000	Atmosphere	Sump
Noble gases (atoms)	3.1155E+22	0.0000E+00
Elemental I (atoms)	5.9068E+18	0.0000E+00
Organic I (atoms)	1.8268E+17	0.0000E+00

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Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.9754E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.4711E-06
Total I (Ci)			9.0746E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.7000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.7000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.7100

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.7100	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.5733E-04	2.5353E-03	2.3764E-04
Accumulated dose (rem)	1.8650E+00	2.5375E+01	2.6714E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.7100	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.7850E-05	6.0992E-04	5.7169E-05
Accumulated dose (rem)	8.3373E-01	1.1341E+01	1.1942E+00

Control Room Doses:

Time (h) = 0.7100	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.1953E-04	3.9780E-02	1.3795E-03
Accumulated dose (rem)	1.2999E-02	3.9283E+00	1.3765E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.7100	Ci	kg	Atoms	Decay
Kr-85	3.4533E+03	8.8020E-03	6.2361E+22	3.3295E+17
Kr-85m	5.1420E+04	6.2482E-02	4.4268E+23	4.9575E+18
Kr-87	6.6369E+04	2.3431E-06	1.6219E+19	7.8391E+18
Kr-88	1.1560E+05	9.2191E-06	6.3089E+19	1.2187E+19
Rb-86	9.0822E-02	1.1162E-09	7.8161E+15	8.7612E+12
I-131	2.1041E+03	1.6972E-05	7.8020E+19	2.0312E+17
I-132	2.4462E+03	2.3698E-07	1.0812E+18	2.6344E+17
I-133	4.1175E+03	3.6348E-06	1.6458E+19	4.0179E+17
I-134	2.6345E+03	9.8758E-08	4.4383E+17	3.4240E+17
I-135	3.6680E+03	1.0445E-06	4.6592E+18	3.6736E+17
Xe-133	4.0344E+05	2.1553E-03	9.7592E+21	3.8973E+19
Xe-135	1.3881E+05	5.4356E-05	2.4247E+20	1.3749E+19
Cs-134	9.8040E+00	7.5775E-06	3.4054E+19	9.4524E+14
Cs-136	2.7244E+00	3.7172E-08	1.6460E+17	2.6287E+14
Cs-137	4.8170E+00	5.5379E-05	2.4343E+20	4.6442E+14

DAEC Condenser - CRDA Transport Group Inventory:

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Time (h) = 0.7100	Atmosphere	Sump	
Noble gases (atoms)	5.1512E+23	0.0000E+00	
Elemental I (atoms)	9.7642E+19	0.0000E+00	
Organic I (atoms)	3.0199E+18	0.0000E+00	
Aerosols (kg)	6.2995E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.8703E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.3391E-06
Total I (Ci)			1.4970E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 0.7100 Leakage Transport

Noble gases (atoms)	1.1663E+20
Elemental I (atoms)	2.2237E+16
Organic I (atoms)	6.8775E+14
Aerosols (kg)	1.4262E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 0.7100	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 0.7100	Ci	kg	Atoms	Bq
Kr-85	1.1231E+03	2.8625E-03	2.0281E+22	4.1554E+13
Kr-85m	1.6723E+04	2.0320E-02	1.4397E+23	6.1873E+14
Kr-87	2.9612E+04	1.0454E-06	7.2364E+18	1.0956E+15
Kr-88	4.3311E+04	3.4541E-06	2.3637E+19	1.6025E+15
Rb-86	2.9563E-02	3.6333E-10	2.5442E+15	1.0938E+09
I-131	6.8570E+02	5.5310E-06	2.5426E+19	2.5371E+13
I-132	9.4747E+02	9.1790E-08	4.1877E+17	3.5056E+13
I-133	1.3652E+03	1.2051E-06	5.4568E+18	5.0512E+13
I-134	1.3556E+03	5.0816E-08	2.2837E+17	5.0158E+13
I-135	1.2677E+03	3.6097E-07	1.6102E+18	4.6904E+13
Xe-133	1.3162E+05	7.0316E-04	3.1839E+21	4.8699E+15
Xe-135	4.7137E+04	1.8458E-05	8.2338E+19	1.7441E+15
Cs-134	3.1884E+00	2.4643E-06	1.1075E+19	1.1797E+11
Cs-136	8.8713E-01	1.2104E-08	5.3598E+16	3.2824E+10
Cs-137	1.5665E+00	1.8010E-05	7.9167E+19	5.7962E+10

Environment Transport Group Inventory:

	Total	Release	
Time (h) = 0.7100	Release	Rate/s	
Noble gases (atoms)	1.6754E+23	6.5549E+19	
Elemental I (atoms)	3.2146E+19	1.2577E+16	
Organic I (atoms)	9.9421E+17	3.8897E+14	
Aerosols (kg)	2.0487E-05	8.0152E-09	
Dose Effective (Ci) I-131 (Thyroid)			9.5663E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2134E+03
Total I (Ci)			5.6216E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 0.7100 Leakage Transport

Noble gases (atoms)	1.1663E+20
Elemental I (atoms)	2.2237E+16
Organic I (atoms)	6.8775E+14

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1.4262E-08

Aerosols (kg)

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 0.7100	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.8472E+18
Elemental I (atoms)	0.0000E+00	1.1235E+15
Organic I (atoms)	0.0000E+00	3.4748E+13
Aerosols (kg)	0.0000E+00	7.1497E-10

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 0.7100	Pathway	
	Filtered	Transported
Noble gases (atoms)	3.5359E+18	0.0000E+00
Elemental I (atoms)	6.7544E+14	0.0000E+00
Organic I (atoms)	2.0890E+13	0.0000E+00
Aerosols (kg)	4.3238E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.7100	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.7100	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	1.9987E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	2.9760E+17
Kr-87	4.0141E+03	1.4171E-07	9.8095E+17	4.6996E+17
Kr-88	6.9917E+03	5.5759E-07	3.8158E+18	7.3114E+17
Rb-86	5.4931E-03	6.7509E-11	4.7273E+14	5.2593E+11
I-131	1.2726E+02	1.0265E-06	4.7188E+18	1.2193E+16
I-132	1.4795E+02	1.4333E-08	6.5391E+16	1.5803E+16
I-133	2.4903E+02	2.1984E-07	9.9541E+17	2.4117E+16
I-134	1.5934E+02	5.9731E-09	2.6844E+16	2.0514E+16
I-135	2.2185E+02	6.3171E-08	2.8180E+17	2.2047E+16
Xe-133	2.4401E+04	1.3036E-04	5.9025E+20	2.3395E+18
Xe-135	8.3955E+03	3.2876E-06	1.4665E+19	8.2520E+17
Cs-134	5.9296E-01	4.5830E-07	2.0597E+18	5.6742E+13
Cs-136	1.6477E-01	2.2482E-09	9.9552E+15	1.5780E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	2.7879E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.7100	Atmosphere	Sump	
Noble gases (atoms)	3.1155E+22	0.0000E+00	
Elemental I (atoms)	5.9056E+18	0.0000E+00	
Organic I (atoms)	1.8265E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.9751E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.4702E-06
Total I (Ci)			9.0543E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.7100	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23

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Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	Transported
Time (h) = 0.7100	Filtered	
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.7200

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.7200	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.5691E-04	2.5348E-03	2.3720E-04
Accumulated dose (rem)	1.8651E+00	2.5377E+01	2.6716E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.7200	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.7749E-05	6.0982E-04	5.7064E-05
Accumulated dose (rem)	8.3377E-01	1.1342E+01	1.1942E+00

Control Room Doses:

Time (h) = 0.7200	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.1763E-04	3.9247E-02	1.3607E-03
Accumulated dose (rem)	1.3116E-02	3.9675E+00	1.3901E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.7200	Ci	kg	Atoms	Decay
Kr-85	3.4533E+03	8.8020E-03	6.2361E+22	3.3755E+17
Kr-85m	5.1420E+04	6.2482E-02	4.4268E+23	5.0260E+18
Kr-87	6.6008E+04	2.3303E-06	1.6131E+19	7.9273E+18
Kr-88	1.1532E+05	9.1966E-06	6.2935E+19	1.2341E+19
Rb-86	9.0820E-02	1.1162E-09	7.8160E+15	8.8822E+12
I-131	2.1040E+03	1.6971E-05	7.8017E+19	2.0592E+17
I-132	2.4388E+03	2.3627E-07	1.0779E+18	2.6669E+17
I-133	4.1161E+03	3.6335E-06	1.6452E+19	4.0727E+17
I-134	2.6138E+03	9.7980E-08	4.4034E+17	3.4589E+17
I-135	3.6641E+03	1.0434E-06	4.6543E+18	3.7225E+17
Xe-133	4.0341E+05	2.1552E-03	9.7586E+21	3.9510E+19
Xe-135	1.3871E+05	5.4315E-05	2.4229E+20	1.3934E+19
Cs-134	9.8039E+00	7.5774E-06	3.4054E+19	9.5829E+14
Cs-136	2.7243E+00	3.7171E-08	1.6459E+17	2.6650E+14
Cs-137	4.8169E+00	5.5379E-05	2.4343E+20	4.7083E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 0.7200	Atmosphere	Sump	
Noble gases (atoms)	5.1512E+23	0.0000E+00	
Elemental I (atoms)	9.7623E+19	0.0000E+00	
Organic I (atoms)	3.0193E+18	0.0000E+00	
Aerosols (kg)	6.2994E-05	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.8700E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.3382E-06
Total I (Ci)			1.4937E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

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Time (h) = 0.7200 Leakage Transport

Noble gases (atoms) 1.1878E+20
 Elemental I (atoms) 2.2644E+16
 Organic I (atoms) 7.0033E+14
 Aerosols (kg) 1.4525E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.7200	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 0.7200	Ci	kg	Atoms	Bq
Kr-85	1.1231E+03	2.8626E-03	2.0281E+22	4.1554E+13
Kr-85m	1.6723E+04	2.0320E-02	1.4397E+23	6.1874E+14
Kr-87	2.9612E+04	1.0454E-06	7.2364E+18	1.0957E+15
Kr-88	4.3312E+04	3.4541E-06	2.3638E+19	1.6025E+15
Rb-86	2.9563E-02	3.6333E-10	2.5442E+15	1.0938E+09
I-131	6.8571E+02	5.5310E-06	2.5426E+19	2.5371E+13
I-132	9.4748E+02	9.1791E-08	4.1877E+17	3.5057E+13
I-133	1.3652E+03	1.2052E-06	5.4568E+18	5.0513E+13
I-134	1.3556E+03	5.0817E-08	2.2838E+17	5.0158E+13
I-135	1.2677E+03	3.6097E-07	1.6102E+18	4.6904E+13
Xe-133	1.3162E+05	7.0317E-04	3.1839E+21	4.8699E+15
Xe-135	4.7137E+04	1.8458E-05	8.2339E+19	1.7441E+15
Cs-134	3.1885E+00	2.4644E-06	1.1075E+19	1.1797E+11
Cs-136	8.8714E-01	1.2104E-08	5.3599E+16	3.2824E+10
Cs-137	1.5666E+00	1.8010E-05	7.9168E+19	5.7963E+10

Environment Transport Group Inventory:

Time (h) = 0.7200	Total Release	Release Rate/s	
Noble gases (atoms)	1.6755E+23	6.4640E+19	
Elemental I (atoms)	3.2146E+19	1.2402E+16	
Organic I (atoms)	9.9422E+17	3.8357E+14	
Aerosols (kg)	2.0487E-05	7.9039E-09	
Dose Effective (Ci) I-131 (Thyroid)			9.5664E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2134E+03
Total I (Ci)			5.6217E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.7200 Leakage Transport

Noble gases (atoms) 1.1878E+20
 Elemental I (atoms) 2.2644E+16
 Organic I (atoms) 7.0033E+14
 Aerosols (kg) 1.4525E-08

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 0.7200	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.8534E+18
Elemental I (atoms)	0.0000E+00	1.1247E+15
Organic I (atoms)	0.0000E+00	3.4784E+13
Aerosols (kg)	0.0000E+00	7.1573E-10

CRDA GAP MVP TRIP 10 MIN.00

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 0.7200	Pathway	
	Filtered	Transported
Noble gases (atoms)	3.5722E+18	0.0000E+00
Elemental I (atoms)	6.8231E+14	0.0000E+00
Organic I (atoms)	2.1102E+13	0.0000E+00
Aerosols (kg)	4.3682E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.7200	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.7200	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	2.0265E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	3.0174E+17
Kr-87	3.9923E+03	1.4094E-07	9.7561E+17	4.7529E+17
Kr-88	6.9747E+03	5.5623E-07	3.8065E+18	7.4045E+17
Rb-86	5.4930E-03	6.7508E-11	4.7273E+14	5.3325E+11
I-131	1.2725E+02	1.0264E-06	4.7186E+18	1.2363E+16
I-132	1.4750E+02	1.4290E-08	6.5194E+16	1.6000E+16
I-133	2.4895E+02	2.1976E-07	9.9508E+17	2.4449E+16
I-134	1.5809E+02	5.9260E-09	2.6632E+16	2.0725E+16
I-135	2.2162E+02	6.3105E-08	2.8150E+17	2.2343E+16
Xe-133	2.4399E+04	1.3035E-04	5.9022E+20	2.3720E+18
Xe-135	8.3893E+03	3.2851E-06	1.4654E+19	8.3637E+17
Cs-134	5.9296E-01	4.5830E-07	2.0597E+18	5.7532E+13
Cs-136	1.6477E-01	2.2482E-09	9.9550E+15	1.5999E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	2.8267E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.7200	Atmosphere	Sump	
Noble gases (atoms)	3.1155E+22	0.0000E+00	
Elemental I (atoms)	5.9044E+18	0.0000E+00	
Organic I (atoms)	1.8261E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.9748E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.4692E-06
Total I (Ci)			9.0341E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.7200	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.7200	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19

CRDA GAP MVP TRIP 10 MIN.o0

Organic I (atoms) 0.0000E+00 1.1427E+18
 Aerosols (kg) 0.0000E+00 2.3498E-05

Detailed model information at time (H) = 0.7300

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.7300 Whole Body Thyroid TEDE
 Delta dose (rem) 1.5649E-04 2.5344E-03 2.3676E-04
 Accumulated dose (rem) 1.8653E+00 2.5380E+01 2.6718E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.7300 Whole Body Thyroid TEDE
 Delta dose (rem) 3.7648E-05 6.0971E-04 5.6959E-05
 Accumulated dose (rem) 8.3381E-01 1.1342E+01 1.1943E+00

Control Room Doses:

Time (h) = 0.7300 Whole Body Thyroid TEDE
 Delta dose (rem) 1.1577E-04 3.8723E-02 1.3422E-03
 Accumulated dose (rem) 1.3232E-02 4.0063E+00 1.4035E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.7300	Ci	kg	Atoms	Decay
Kr-85	3.4533E+03	8.8020E-03	6.2361E+22	3.4215E+17
Kr-85m	5.1419E+04	6.2482E-02	4.4267E+23	5.0945E+18
Kr-87	6.5649E+04	2.3177E-06	1.6043E+19	8.0150E+18
Kr-88	1.1504E+05	9.1741E-06	6.2782E+19	1.2494E+19
Rb-86	9.0818E-02	1.1161E-09	7.8158E+15	9.0032E+12
I-131	2.1039E+03	1.6970E-05	7.8014E+19	2.0873E+17
I-132	2.4314E+03	2.3556E-07	1.0747E+18	2.6994E+17
I-133	4.1147E+03	3.6323E-06	1.6447E+19	4.1275E+17
I-134	2.5932E+03	9.7208E-08	4.3687E+17	3.4936E+17
I-135	3.6603E+03	1.0423E-06	4.6494E+18	3.7712E+17
Xe-133	4.0339E+05	2.1551E-03	9.7580E+21	4.0048E+19
Xe-135	1.3860E+05	5.4275E-05	2.4211E+20	1.4118E+19
Cs-134	9.8039E+00	7.5774E-06	3.4054E+19	9.7135E+14
Cs-136	2.7242E+00	3.7170E-08	1.6459E+17	2.7013E+14
Cs-137	4.8169E+00	5.5378E-05	2.4343E+20	4.7725E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 0.7300	Atmosphere	Sump	
Noble gases (atoms)	5.1511E+23	0.0000E+00	
Elemental I (atoms)	9.7603E+19	0.0000E+00	
Organic I (atoms)	3.0187E+18	0.0000E+00	
Aerosols (kg)	6.2994E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.8697E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.3373E-06
Total I (Ci)			1.4904E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.7300 Leakage Transport

Noble gases (atoms) 1.2092E+20
 Elemental I (atoms) 2.3051E+16
 Organic I (atoms) 7.1291E+14
 Aerosols (kg) 1.4787E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Pathway

CRDA GAP MVP TRIP 10 MIN.00

Time (h) = 0.7300	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 0.7300	Ci	kg	Atoms	Bq
Kr-85	1.1231E+03	2.8626E-03	2.0281E+22	4.1555E+13
Kr-85m	1.6723E+04	2.0321E-02	1.4397E+23	6.1875E+14
Kr-87	2.9613E+04	1.0454E-06	7.2365E+18	1.0957E+15
Kr-88	4.3312E+04	3.4541E-06	2.3638E+19	1.6026E+15
Rb-86	2.9564E-02	3.6334E-10	2.5442E+15	1.0939E+09
I-131	6.8572E+02	5.5311E-06	2.5427E+19	2.5371E+13
I-132	9.4749E+02	9.1792E-08	4.1877E+17	3.5057E+13
I-133	1.3652E+03	1.2052E-06	5.4569E+18	5.0513E+13
I-134	1.3556E+03	5.0817E-08	2.2838E+17	5.0158E+13
I-135	1.2677E+03	3.6098E-07	1.6103E+18	4.6905E+13
Xe-133	1.3162E+05	7.0318E-04	3.1839E+21	4.8700E+15
Xe-135	4.7138E+04	1.8458E-05	8.2340E+19	1.7441E+15
Cs-134	3.1885E+00	2.4644E-06	1.1075E+19	1.1798E+11
Cs-136	8.8715E-01	1.2105E-08	5.3599E+16	3.2825E+10
Cs-137	1.5666E+00	1.8010E-05	7.9169E+19	5.7963E+10

Environment Transport Group Inventory:

Time (h) = 0.7300	Total Release	Release Rate/s
Noble gases (atoms)	1.6755E+23	6.3755E+19
Elemental I (atoms)	3.2147E+19	1.2232E+16
Organic I (atoms)	9.9423E+17	3.7832E+14
Aerosols (kg)	2.0487E-05	7.7958E-09
Dose Effective (Ci) I-131 (Thyroid)		9.5665E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		1.2134E+03
Total I (Ci)		5.6218E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 0.7300 Leakage Transport

Noble gases (atoms)	1.2092E+20
Elemental I (atoms)	2.3051E+16
Organic I (atoms)	7.1291E+14
Aerosols (kg)	1.4787E-08

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 0.7300	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.8597E+18
Elemental I (atoms)	0.0000E+00	1.1259E+15
Organic I (atoms)	0.0000E+00	3.4821E+13
Aerosols (kg)	0.0000E+00	7.1649E-10

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 0.7300	Pathway Filtered	Transported
Noble gases (atoms)	3.6080E+18	0.0000E+00
Elemental I (atoms)	6.8909E+14	0.0000E+00
Organic I (atoms)	2.1312E+13	0.0000E+00
Aerosols (kg)	4.4119E-10	0.0000E+00

CRDA GAP MVP TRIP 10 MIN.00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.7300	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.7300	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	2.0543E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	3.0588E+17
Kr-87	3.9706E+03	1.4018E-07	9.7031E+17	4.8059E+17
Kr-88	6.9577E+03	5.5487E-07	3.7972E+18	7.4972E+17
Rb-86	5.4929E-03	6.7507E-11	4.7272E+14	5.4056E+11
I-131	1.2725E+02	1.0264E-06	4.7185E+18	1.2532E+16
I-132	1.4706E+02	1.4247E-08	6.4998E+16	1.6196E+16
I-133	2.4887E+02	2.1969E-07	9.9474E+17	2.4781E+16
I-134	1.5684E+02	5.8794E-09	2.6423E+16	2.0935E+16
I-135	2.2138E+02	6.3039E-08	2.8121E+17	2.2638E+16
Xe-133	2.4398E+04	1.3034E-04	5.9019E+20	2.4045E+18
Xe-135	8.3830E+03	3.2827E-06	1.4643E+19	8.4754E+17
Cs-134	5.9296E-01	4.5830E-07	2.0597E+18	5.8322E+13
Cs-136	1.6477E-01	2.2481E-09	9.9548E+15	1.6219E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	2.8655E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.7300	Atmosphere	Sump	
Noble gases (atoms)	3.1155E+22	0.0000E+00	
Elemental I (atoms)	5.9033E+18	0.0000E+00	
Organic I (atoms)	1.8258E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.9744E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.4683E-06
Total I (Ci)			9.0140E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.7300	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.7300	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.7400

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.7400	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.5608E-04	2.5340E-03	2.3633E-04
Accumulated dose (rem)	1.8654E+00	2.5382E+01	2.6721E+00

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CRDA @ LPZ - Condenser Release Doses:

Time (h) =	0.7400	Whole Body	Thyroid	TEDE
Delta dose (rem)		3.7548E-05	6.0961E-04	5.6854E-05
Accumulated dose (rem)		8.3385E-01	1.1343E+01	1.1943E+00

Control Room Doses:

Time (h) =	0.7400	Whole Body	Thyroid	TEDE
Delta dose (rem)		1.1394E-04	3.8207E-02	1.3239E-03
Accumulated dose (rem)		1.3346E-02	4.0445E+00	1.4168E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	0.7400	Ci	kg	Atoms	Decay
Kr-85		3.4533E+03	8.8019E-03	6.2360E+22	3.4675E+17
Kr-85m		5.1419E+04	6.2481E-02	4.4267E+23	5.1630E+18
Kr-87		6.5292E+04	2.3051E-06	1.5956E+19	8.1022E+18
Kr-88		1.1476E+05	9.1517E-06	6.2628E+19	1.2647E+19
Rb-86		9.0816E-02	1.1161E-09	7.8157E+15	9.1241E+12
I-131		2.1038E+03	1.6970E-05	7.8011E+19	2.1153E+17
I-132		2.4241E+03	2.3485E-07	1.0714E+18	2.7317E+17
I-133		4.1133E+03	3.6311E-06	1.6441E+19	4.1823E+17
I-134		2.5728E+03	9.6442E-08	4.3342E+17	3.5280E+17
I-135		3.6564E+03	1.0412E-06	4.6445E+18	3.8200E+17
Xe-133		4.0337E+05	2.1549E-03	9.7574E+21	4.0585E+19
Xe-135		1.3850E+05	5.4234E-05	2.4193E+20	1.4303E+19
Cs-134		9.8038E+00	7.5774E-06	3.4054E+19	9.8441E+14
Cs-136		2.7241E+00	3.7169E-08	1.6459E+17	2.7376E+14
Cs-137		4.8169E+00	5.5378E-05	2.4343E+20	4.8366E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	0.7400	Atmosphere	Sump
Noble gases (atoms)		5.1511E+23	0.0000E+00
Elemental I (atoms)		9.7583E+19	0.0000E+00
Organic I (atoms)		3.0180E+18	0.0000E+00
Aerosols (kg)		6.2994E-05	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)			1.8693E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.3364E-06
Total I (Ci)			1.4870E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.7400 Leakage Transport

Noble gases (atoms)	1.2307E+20
Elemental I (atoms)	2.3458E+16
Organic I (atoms)	7.2549E+14
Aerosols (kg)	1.5050E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	0.7400	Pathway
		Filtered Transported
Noble gases (atoms)		0.0000E+00 1.9857E+23
Elemental I (atoms)		0.0000E+00 3.8180E+19
Organic I (atoms)		0.0000E+00 1.1808E+18
Aerosols (kg)		0.0000E+00 2.4281E-05

Environment Integral Nuclide Release:

Time (h) =	0.7400	Ci	kg	Atoms	Bq
Kr-85		1.1231E+03	2.8627E-03	2.0282E+22	4.1555E+13

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Kr-85m	1.6723E+04	2.0321E-02	1.4397E+23	6.1876E+14
Kr-87	2.9613E+04	1.0454E-06	7.2366E+18	1.0957E+15
Kr-88	4.3313E+04	3.4542E-06	2.3638E+19	1.6026E+15
Rb-86	2.9564E-02	3.6334E-10	2.5443E+15	1.0939E+09
I-131	6.8572E+02	5.5312E-06	2.5427E+19	2.5372E+13
I-132	9.4750E+02	9.1793E-08	4.1878E+17	3.5057E+13
I-133	1.3652E+03	1.2052E-06	5.4570E+18	5.0514E+13
I-134	1.3556E+03	5.0817E-08	2.2838E+17	5.0159E+13
I-135	1.2677E+03	3.6098E-07	1.6103E+18	4.6905E+13
Xe-133	1.3162E+05	7.0319E-04	3.1840E+21	4.8701E+15
Xe-135	4.7138E+04	1.8459E-05	8.2341E+19	1.7441E+15
Cs-134	3.1886E+00	2.4644E-06	1.1076E+19	1.1798E+11
Cs-136	8.8717E-01	1.2105E-08	5.3600E+16	3.2825E+10
Cs-137	1.5666E+00	1.8011E-05	7.9170E+19	5.7964E+10

Environment Transport Group Inventory:

Time (h) = 0.7400	Total Release	Release Rate/s	
Noble gases (atoms)	1.6755E+23	6.2894E+19	
Elemental I (atoms)	3.2147E+19	1.2067E+16	
Organic I (atoms)	9.9424E+17	3.7321E+14	
Aerosols (kg)	2.0488E-05	7.6905E-09	
Dose Effective (Ci) I-131 (Thyroid)			9.5667E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2134E+03
Total I (Ci)			5.6218E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.7400 Leakage Transport

Noble gases (atoms)	1.2307E+20
Elemental I (atoms)	2.3458E+16
Organic I (atoms)	7.2549E+14
Aerosols (kg)	1.5050E-08

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 0.7400	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.8659E+18
Elemental I (atoms)	0.0000E+00	1.1270E+15
Organic I (atoms)	0.0000E+00	3.4857E+13
Aerosols (kg)	0.0000E+00	7.1726E-10

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 0.7400	Pathway Filtered	Transported
Noble gases (atoms)	3.6433E+18	0.0000E+00
Elemental I (atoms)	6.9578E+14	0.0000E+00
Organic I (atoms)	2.1519E+13	0.0000E+00
Aerosols (kg)	4.4551E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.7400	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

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Time (h) = 0.7400	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	2.0821E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	3.1003E+17
Kr-87	3.9490E+03	1.3942E-07	9.6504E+17	4.8587E+17
Kr-88	6.9407E+03	5.5352E-07	3.7879E+18	7.5898E+17
Rb-86	5.4928E-03	6.7506E-11	4.7271E+14	5.4788E+11
I-131	1.2724E+02	1.0264E-06	4.7183E+18	1.2702E+16
I-132	1.4662E+02	1.4204E-08	6.4802E+16	1.6391E+16
I-133	2.4879E+02	2.1962E-07	9.9441E+17	2.5112E+16
I-134	1.5561E+02	5.8331E-09	2.6215E+16	2.1143E+16
I-135	2.2115E+02	6.2973E-08	2.8091E+17	2.2932E+16
Xe-133	2.4397E+04	1.3034E-04	5.9016E+20	2.4370E+18
Xe-135	8.3768E+03	3.2802E-06	1.4633E+19	8.5871E+17
Cs-134	5.9296E-01	4.5830E-07	2.0597E+18	5.9111E+13
Cs-136	1.6476E-01	2.2481E-09	9.9546E+15	1.6438E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	2.9043E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.7400	Atmosphere	Sump
Noble gases (atoms)	3.1155E+22	0.0000E+00
Elemental I (atoms)	5.9021E+18	0.0000E+00
Organic I (atoms)	1.8254E+17	0.0000E+00
Aerosols (kg)	3.8100E-06	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.9741E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		2.4673E-06
Total I (Ci)		8.9940E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.7400	Pathway	Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18
Aerosols (kg)		0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.7400	Pathway	Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9217E+23
Elemental I (atoms)		0.0000E+00	3.6947E+19
Organic I (atoms)		0.0000E+00	1.1427E+18
Aerosols (kg)		0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.7500

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.7500	whole Body	Thyroid	TEDE
Delta dose (rem)	1.5566E-04	2.5336E-03	2.3589E-04
Accumulated dose (rem)	1.8656E+00	2.5385E+01	2.6723E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.7500	whole Body	Thyroid	TEDE
Delta dose (rem)	3.7448E-05	6.0951E-04	5.6750E-05
Accumulated dose (rem)	8.3388E-01	1.1344E+01	1.1944E+00

Control Room Doses:

Time (h) = 0.7500	whole Body	Thyroid	TEDE

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Delta dose (rem) 1.1215E-04 3.7699E-02 1.3060E-03
 Accumulated dose (rem) 1.3458E-02 4.0822E+00 1.4298E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.7500	Ci	kg	Atoms	Decay
Kr-85	3.4533E+03	8.8019E-03	6.2360E+22	3.5135E+17
Kr-85m	5.1419E+04	6.2481E-02	4.4267E+23	5.2315E+18
Kr-87	6.4937E+04	2.2925E-06	1.5869E+19	8.1889E+18
Kr-88	1.1448E+05	9.1294E-06	6.2475E+19	1.2800E+19
Rb-86	9.0815E-02	1.1161E-09	7.8155E+15	9.2451E+12
I-131	2.1037E+03	1.6969E-05	7.8008E+19	2.1433E+17
I-132	2.4168E+03	2.3414E-07	1.0682E+18	2.7640E+17
I-133	4.1119E+03	3.6299E-06	1.6436E+19	4.2371E+17
I-134	2.5525E+03	9.5682E-08	4.3001E+17	3.5621E+17
I-135	3.6526E+03	1.0401E-06	4.6396E+18	3.8687E+17
Xe-133	4.0334E+05	2.1548E-03	9.7569E+21	4.1122E+19
Xe-135	1.3839E+05	5.4193E-05	2.4175E+20	1.4487E+19
Cs-134	9.8038E+00	7.5773E-06	3.4054E+19	9.9747E+14
Cs-136	2.7241E+00	3.7168E-08	1.6458E+17	2.7739E+14
Cs-137	4.8169E+00	5.5378E-05	2.4343E+20	4.9008E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 0.7500	Atmosphere	Sump
Noble gases (atoms)	5.1511E+23	0.0000E+00
Elemental I (atoms)	9.7564E+19	0.0000E+00
Organic I (atoms)	3.0174E+18	0.0000E+00
Aerosols (kg)	6.2994E-05	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.8690E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		2.3355E-06
Total I (Ci)		1.4838E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.7500 Leakage Transport

Noble gases (atoms)	1.2522E+20
Elemental I (atoms)	2.3864E+16
Organic I (atoms)	7.3807E+14
Aerosols (kg)	1.5312E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.7500	Pathway	Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18
Aerosols (kg)		0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 0.7500	Ci	kg	Atoms	Bq
Kr-85	1.1231E+03	2.8627E-03	2.0282E+22	4.1556E+13
Kr-85m	1.6723E+04	2.0321E-02	1.4397E+23	6.1877E+14
Kr-87	2.9613E+04	1.0455E-06	7.2366E+18	1.0957E+15
Kr-88	4.3313E+04	3.4542E-06	2.3638E+19	1.6026E+15
Rb-86	2.9564E-02	3.6334E-10	2.5443E+15	1.0939E+09
I-131	6.8573E+02	5.5312E-06	2.5427E+19	2.5372E+13
I-132	9.4751E+02	9.1794E-08	4.1878E+17	3.5058E+13
I-133	1.3653E+03	1.2052E-06	5.4570E+18	5.0515E+13
I-134	1.3557E+03	5.0818E-08	2.2838E+17	5.0159E+13
I-135	1.2677E+03	3.6099E-07	1.6103E+18	4.6906E+13
Xe-133	1.3163E+05	7.0320E-04	3.1840E+21	4.8701E+15

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Xe-135	4.7139E+04	1.8459E-05	8.2342E+19	1.7441E+15
Cs-134	3.1886E+00	2.4645E-06	1.1076E+19	1.1798E+11
Cs-136	8.8718E-01	1.2105E-08	5.3601E+16	3.2826E+10
Cs-137	1.5666E+00	1.8011E-05	7.9171E+19	5.7965E+10

Environment Transport Group Inventory:

	Total	Release	
Time (h) =	0.7500	Release	Rate/s
Noble gases (atoms)	1.6755E+23	6.2056E+19	
Elemental I (atoms)	3.2148E+19	1.1907E+16	
Organic I (atoms)	9.9426E+17	3.6824E+14	
Aerosols (kg)	2.0488E-05	7.5881E-09	
Dose Effective (Ci) I-131 (Thyroid)			9.5668E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2134E+03
Total I (Ci)			5.6219E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.7500 Leakage Transport

Noble gases (atoms)	1.2522E+20
Elemental I (atoms)	2.3864E+16
Organic I (atoms)	7.3807E+14
Aerosols (kg)	1.5312E-08

Normal Environment to Control Room Transport Group Inventory:

	Pathway	
Time (h) =	0.7500	Filtered Transported
Noble gases (atoms)	0.0000E+00	5.8721E+18
Elemental I (atoms)	0.0000E+00	1.1282E+15
Organic I (atoms)	0.0000E+00	3.4893E+13
Aerosols (kg)	0.0000E+00	7.1802E-10

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway	
Time (h) =	0.7500	Filtered Transported
Noble gases (atoms)	3.6781E+18	0.0000E+00
Elemental I (atoms)	7.0238E+14	0.0000E+00
Organic I (atoms)	2.1723E+13	0.0000E+00
Aerosols (kg)	4.4977E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) =	0.7500	Filtered Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) =	0.7500	Ci	kg	Atoms	Decay
Kr-85		2.0886E+02	5.3236E-04	3.7717E+21	2.1099E+16
Kr-85m		3.1100E+03	3.7790E-03	2.6774E+22	3.1417E+17
Kr-87		3.9276E+03	1.3866E-07	9.5979E+17	4.9111E+17
Kr-88		6.9238E+03	5.5217E-07	3.7787E+18	7.6821E+17
Rb-86		5.4927E-03	6.7505E-11	4.7270E+14	5.5520E+11
I-131		1.2724E+02	1.0263E-06	4.7181E+18	1.2871E+16
I-132		1.4618E+02	1.4161E-08	6.4607E+16	1.6586E+16
I-133		2.4870E+02	2.1954E-07	9.9408E+17	2.5443E+16

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I-134	1.5438E+02	5.7871E-09	2.6008E+16	2.1350E+16
I-135	2.2092E+02	6.2907E-08	2.8062E+17	2.3227E+16
Xe-133	2.4395E+04	1.3033E-04	5.9012E+20	2.4695E+18
Xe-135	8.3705E+03	3.2778E-06	1.4622E+19	8.6986E+17
Cs-134	5.9296E-01	4.5830E-07	2.0597E+18	5.9901E+13
Cs-136	1.6476E-01	2.2480E-09	9.9544E+15	1.6658E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	2.9431E+13

MVP Holdup Transport Group Inventory:

Time (h) =	0.7500	Atmosphere	Sump	
Noble gases (atoms)	3.1155E+22	0.0000E+00		
Elemental I (atoms)	5.9009E+18	0.0000E+00		
Organic I (atoms)	1.8250E+17	0.0000E+00		
Aerosols (kg)	3.8100E-06	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)			1.9738E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)			2.4664E-06
Total I (Ci)				8.9742E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

		Pathway	
Time (h) =	0.7500	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23	
Elemental I (atoms)	0.0000E+00	3.8180E+19	
Organic I (atoms)	0.0000E+00	1.1808E+18	
Aerosols (kg)	0.0000E+00	2.4281E-05	

MVP Holdup to Environment Transport Group Inventory:

		Pathway	
Time (h) =	0.7500	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23	
Elemental I (atoms)	0.0000E+00	3.6947E+19	
Organic I (atoms)	0.0000E+00	1.1427E+18	
Aerosols (kg)	0.0000E+00	2.3498E-05	

Detailed model information at time (H) = 0.7600

CRDA @ EAB - Condenser Release Doses:

Time (h) =	0.7600	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.5524E-04	2.5331E-03	2.3546E-04	
Accumulated dose (rem)	1.8657E+00	2.5388E+01	2.6726E+00	

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	0.7600	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.7348E-05	6.0941E-04	5.6646E-05	
Accumulated dose (rem)	8.3392E-01	1.1344E+01	1.1944E+00	

Control Room Doses:

Time (h) =	0.7600	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.1038E-04	3.7199E-02	1.2884E-03	
Accumulated dose (rem)	1.3568E-02	4.1194E+00	1.4427E-01	

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	0.7600	Ci	kg	Atoms	Decay
Kr-85	3.4533E+03	8.8018E-03	6.2360E+22	3.5594E+17	
Kr-85m	5.1419E+04	6.2481E-02	4.4267E+23	5.3000E+18	
Kr-87	6.4584E+04	2.2800E-06	1.5782E+19	8.2752E+18	
Kr-88	1.1420E+05	9.1071E-06	6.2323E+19	1.2952E+19	

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Rb-86	9.0813E-02	1.1161E-09	7.8154E+15	9.3661E+12
I-131	2.1037E+03	1.6968E-05	7.8005E+19	2.1713E+17
I-132	2.4095E+03	2.3343E-07	1.0650E+18	2.7961E+17
I-133	4.1106E+03	3.6286E-06	1.6430E+19	4.2919E+17
I-134	2.5324E+03	9.4928E-08	4.2662E+17	3.5960E+17
I-135	3.6487E+03	1.0390E-06	4.6347E+18	3.9173E+17
Xe-133	4.0332E+05	2.1547E-03	9.7563E+21	4.1660E+19
Xe-135	1.3829E+05	5.4153E-05	2.4157E+20	1.4672E+19
Cs-134	9.8037E+00	7.5773E-06	3.4053E+19	1.0105E+15
Cs-136	2.7240E+00	3.7167E-08	1.6458E+17	2.8101E+14
Cs-137	4.8169E+00	5.5378E-05	2.4343E+20	4.9650E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 0.7600	Atmosphere	Sump	
Noble gases (atoms)	5.1510E+23	0.0000E+00	
Elemental I (atoms)	9.7544E+19	0.0000E+00	
Organic I (atoms)	3.0168E+18	0.0000E+00	
Aerosols (kg)	6.2993E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.8687E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.3346E-06
Total I (Ci)			1.4805E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.7600 Leakage Transport

Noble gases (atoms)	1.2736E+20
Elemental I (atoms)	2.4271E+16
Organic I (atoms)	7.5064E+14
Aerosols (kg)	1.5574E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 0.7600	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 0.7600	Ci	kg	Atoms	Bq
Kr-85	1.1231E+03	2.8627E-03	2.0282E+22	4.1556E+13
Kr-85m	1.6724E+04	2.0321E-02	1.4397E+23	6.1877E+14
Kr-87	2.9613E+04	1.0455E-06	7.2367E+18	1.0957E+15
Kr-88	4.3314E+04	3.4543E-06	2.3639E+19	1.6026E+15
Rb-86	2.9565E-02	3.6335E-10	2.5443E+15	1.0939E+09
I-131	6.8574E+02	5.5313E-06	2.5428E+19	2.5372E+13
I-132	9.4752E+02	9.1795E-08	4.1879E+17	3.5058E+13
I-133	1.3653E+03	1.2052E-06	5.4571E+18	5.0515E+13
I-134	1.3557E+03	5.0818E-08	2.2838E+17	5.0160E+13
I-135	1.2677E+03	3.6099E-07	1.6103E+18	4.6907E+13
Xe-133	1.3163E+05	7.0320E-04	3.1841E+21	4.8702E+15
Xe-135	4.7139E+04	1.8459E-05	8.2343E+19	1.7442E+15
Cs-134	3.1886E+00	2.4645E-06	1.1076E+19	1.1798E+11
Cs-136	8.8719E-01	1.2105E-08	5.3601E+16	3.2826E+10
Cs-137	1.5666E+00	1.8011E-05	7.9172E+19	5.7966E+10

Environment Transport Group Inventory:

Time (h) = 0.7600	Total Release	Release Rate/s
Noble gases (atoms)	1.6755E+23	6.1241E+19

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Elemental I (atoms)	3.2148E+19	1.1750E+16	
Organic I (atoms)	9.9427E+17	3.6340E+14	
Aerosols (kg)	2.0488E-05	7.4883E-09	
Dose Effective (Ci) I-131 (Thyroid)			9.5669E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2134E+03
Total I (Ci)			5.6219E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 0.7600 Leakage Transport

Noble gases (atoms)	1.2736E+20
Elemental I (atoms)	2.4271E+16
Organic I (atoms)	7.5064E+14
Aerosols (kg)	1.5574E-08

Normal Environment to Control Room Transport Group Inventory:

	Pathway	
Time (h) = 0.7600	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.8783E+18
Elemental I (atoms)	0.0000E+00	1.1294E+15
Organic I (atoms)	0.0000E+00	3.4930E+13
Aerosols (kg)	0.0000E+00	7.1878E-10

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.7600	Filtered	Transported
Noble gases (atoms)	3.7125E+18	0.0000E+00
Elemental I (atoms)	7.0889E+14	0.0000E+00
Organic I (atoms)	2.1925E+13	0.0000E+00
Aerosols (kg)	4.5397E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.7600	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.7600	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	2.1378E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	3.1831E+17
Kr-87	3.9062E+03	1.3790E-07	9.5457E+17	4.9633E+17
Kr-88	6.9069E+03	5.5083E-07	3.7695E+18	7.7743E+17
Rb-86	5.4926E-03	6.7504E-11	4.7270E+14	5.6251E+11
I-131	1.2724E+02	1.0263E-06	4.7180E+18	1.3041E+16
I-132	1.4574E+02	1.4119E-08	6.4413E+16	1.6781E+16
I-133	2.4862E+02	2.1947E-07	9.9375E+17	2.5774E+16
I-134	1.5317E+02	5.7416E-09	2.5803E+16	2.1554E+16
I-135	2.2069E+02	6.2841E-08	2.8032E+17	2.3521E+16
Xe-133	2.4394E+04	1.3032E-04	5.9009E+20	2.5020E+18
Xe-135	8.3643E+03	3.2753E-06	1.4611E+19	8.8101E+17
Cs-134	5.9296E-01	4.5830E-07	2.0597E+18	6.0691E+13
Cs-136	1.6476E-01	2.2480E-09	9.9541E+15	1.6877E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	2.9819E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.7600	Atmosphere	Sump
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Noble gases (atoms)	3.1155E+22	0.0000E+00	
Elemental I (atoms)	5.8998E+18	0.0000E+00	
Organic I (atoms)	1.8247E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.9735E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.4655E-06
Total I (Ci)			8.9544E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.7600	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.7600	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.7700

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.7700	whole Body	Thyroid	TEDE
Delta dose (rem)	1.5483E-04	2.5327E-03	2.3503E-04
Accumulated dose (rem)	1.8659E+00	2.5390E+01	2.6728E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.7700	whole Body	Thyroid	TEDE
Delta dose (rem)	3.7248E-05	6.0930E-04	5.6542E-05
Accumulated dose (rem)	8.3396E-01	1.1345E+01	1.1945E+00

Control Room Doses:

Time (h) = 0.7700	whole Body	Thyroid	TEDE
Delta dose (rem)	1.0865E-04	3.6708E-02	1.2710E-03
Accumulated dose (rem)	1.3677E-02	4.1561E+00	1.4554E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.7700	Ci	kg	Atoms	Decay
Kr-85	3.4533E+03	8.8018E-03	6.2360E+22	3.6054E+17
Kr-85m	5.1419E+04	6.2481E-02	4.4267E+23	5.3685E+18
Kr-87	6.4232E+04	2.2676E-06	1.5697E+19	8.3610E+18
Kr-88	1.1392E+05	9.0849E-06	6.2171E+19	1.3104E+19
Rb-86	9.0811E-02	1.1161E-09	7.8152E+15	9.4870E+12
I-131	2.1036E+03	1.6968E-05	7.8001E+19	2.1994E+17
I-132	2.4023E+03	2.3273E-07	1.0618E+18	2.8281E+17
I-133	4.1092E+03	3.6274E-06	1.6425E+19	4.3466E+17
I-134	2.5124E+03	9.4180E-08	4.2326E+17	3.6296E+17
I-135	3.6449E+03	1.0379E-06	4.6298E+18	3.9659E+17
Xe-133	4.0330E+05	2.1546E-03	9.7557E+21	4.2197E+19
Xe-135	1.3819E+05	5.4112E-05	2.4139E+20	1.4856E+19
Cs-134	9.8037E+00	7.5773E-06	3.4053E+19	1.0236E+15
Cs-136	2.7239E+00	3.7166E-08	1.6457E+17	2.8464E+14

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Cs-137 4.8168E+00 5.5378E-05 2.4342E+20 5.0291E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	0.7700	Atmosphere	Sump	
Noble gases (atoms)	5.1510E+23	0.0000E+00		
Elemental I (atoms)	9.7525E+19	0.0000E+00		
Organic I (atoms)	3.0162E+18	0.0000E+00		
Aerosols (kg)	6.2993E-05	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)			1.8684E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)			2.3337E-06
Total I (Ci)				1.4772E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.7700 Leakage Transport

Noble gases (atoms)	1.2951E+20
Elemental I (atoms)	2.4677E+16
Organic I (atoms)	7.6321E+14
Aerosols (kg)	1.5837E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) =	0.7700	Filtered Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) =	0.7700	Ci	kg	Atoms	Bq
Kr-85		1.1232E+03	2.8628E-03	2.0282E+22	4.1557E+13
Kr-85m		1.6724E+04	2.0322E-02	1.4398E+23	6.1878E+14
Kr-87		2.9614E+04	1.0455E-06	7.2368E+18	1.0957E+15
Kr-88		4.3314E+04	3.4543E-06	2.3639E+19	1.6026E+15
Rb-86		2.9565E-02	3.6335E-10	2.5444E+15	1.0939E+09
I-131		6.8575E+02	5.5314E-06	2.5428E+19	2.5373E+13
I-132		9.4753E+02	9.1796E-08	4.1879E+17	3.5059E+13
I-133		1.3653E+03	1.2052E-06	5.4572E+18	5.0516E+13
I-134		1.3557E+03	5.0819E-08	2.2839E+17	5.0160E+13
I-135		1.2678E+03	3.6099E-07	1.6103E+18	4.6907E+13
Xe-133		1.3163E+05	7.0321E-04	3.1841E+21	4.8703E+15
Xe-135		4.7140E+04	1.8459E-05	8.2344E+19	1.7442E+15
Cs-134		3.1887E+00	2.4645E-06	1.1076E+19	1.1798E+11
Cs-136		8.8720E-01	1.2105E-08	5.3602E+16	3.2826E+10
Cs-137		1.5667E+00	1.8011E-05	7.9173E+19	5.7966E+10

Environment Transport Group Inventory:

	Total	Release	
Time (h) =	0.7700	Release	Rate/s
Noble gases (atoms)	1.6756E+23	6.0446E+19	
Elemental I (atoms)	3.2148E+19	1.1598E+16	
Organic I (atoms)	9.9428E+17	3.5869E+14	
Aerosols (kg)	2.0488E-05	7.3912E-09	
Dose Effective (Ci)	I-131 (Thyroid)		9.5670E+02
Dose Effective (Ci)	I-131 (ICRP2 Thyroid)		1.2135E+03
Total I (Ci)			5.6220E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.7700 Leakage Transport

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Noble gases (atoms)	1.2951E+20
Elemental I (atoms)	2.4677E+16
Organic I (atoms)	7.6321E+14
Aerosols (kg)	1.5837E-08

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 0.7700	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.8845E+18
Elemental I (atoms)	0.0000E+00	1.1306E+15
Organic I (atoms)	0.0000E+00	3.4966E+13
Aerosols (kg)	0.0000E+00	7.1954E-10

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 0.7700	Pathway	
	Filtered	Transported
Noble gases (atoms)	3.7464E+18	0.0000E+00
Elemental I (atoms)	7.1532E+14	0.0000E+00
Organic I (atoms)	2.2123E+13	0.0000E+00
Aerosols (kg)	4.5812E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.7700	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.7700	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	2.1656E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	3.2245E+17
Kr-87	3.8850E+03	1.3715E-07	9.4938E+17	5.0152E+17
Kr-88	6.8901E+03	5.4948E-07	3.7603E+18	7.8661E+17
Rb-86	5.4926E-03	6.7503E-11	4.7269E+14	5.6983E+11
I-131	1.2723E+02	1.0263E-06	4.7178E+18	1.3210E+16
I-132	1.4530E+02	1.4076E-08	6.4219E+16	1.6975E+16
I-133	2.4854E+02	2.1940E-07	9.9342E+17	2.6106E+16
I-134	1.5196E+02	5.6963E-09	2.5600E+16	2.1758E+16
I-135	2.2046E+02	6.2775E-08	2.8003E+17	2.3815E+16
Xe-133	2.4393E+04	1.3032E-04	5.9006E+20	2.5345E+18
Xe-135	8.3581E+03	3.2729E-06	1.4600E+19	8.9214E+17
Cs-134	5.9296E-01	4.5830E-07	2.0597E+18	6.1481E+13
Cs-136	1.6475E-01	2.2479E-09	9.9539E+15	1.7097E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	3.0207E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.7700	Atmosphere	Sump
Noble gases (atoms)	3.1155E+22	0.0000E+00
Elemental I (atoms)	5.8986E+18	0.0000E+00
Organic I (atoms)	1.8243E+17	0.0000E+00
Aerosols (kg)	3.8100E-06	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.9731E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		2.4646E-06
Total I (Ci)		8.9348E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

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	Pathway	
Time (h) = 0.7700	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.7700	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.7800

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.7800	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.5442E-04	2.5323E-03	2.3460E-04
Accumulated dose (rem)	1.8660E+00	2.5393E+01	2.6730E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.7800	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.7149E-05	6.0920E-04	5.6439E-05
Accumulated dose (rem)	8.3399E-01	1.1346E+01	1.1946E+00

Control Room Doses:

Time (h) = 0.7800	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.0695E-04	3.6224E-02	1.2540E-03
Accumulated dose (rem)	1.3784E-02	4.1923E+00	1.4680E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.7800	Ci	kg	Atoms	Decay
Kr-85	3.4532E+03	8.8018E-03	6.2359E+22	3.6514E+17
Kr-85m	5.1418E+04	6.2480E-02	4.4266E+23	5.4370E+18
Kr-87	6.3883E+04	2.2553E-06	1.5611E+19	8.4463E+18
Kr-88	1.1364E+05	9.0627E-06	6.2019E+19	1.3255E+19
Rb-86	9.0809E-02	1.1160E-09	7.8150E+15	9.6080E+12
I-131	2.1035E+03	1.6967E-05	7.7998E+19	2.2274E+17
I-132	2.3950E+03	2.3203E-07	1.0586E+18	2.8601E+17
I-133	4.1078E+03	3.6262E-06	1.6419E+19	4.4014E+17
I-134	2.4926E+03	9.3438E-08	4.1992E+17	3.6629E+17
I-135	3.6411E+03	1.0368E-06	4.6250E+18	4.0144E+17
Xe-133	4.0327E+05	2.1544E-03	9.7552E+21	4.2734E+19
Xe-135	1.3808E+05	5.4072E-05	2.4120E+20	1.5040E+19
Cs-134	9.8036E+00	7.5772E-06	3.4053E+19	1.0366E+15
Cs-136	2.7239E+00	3.7165E-08	1.6457E+17	2.8827E+14
Cs-137	4.8168E+00	5.5377E-05	2.4342E+20	5.0933E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 0.7800	Atmosphere	Sump	
Noble gases (atoms)	5.1510E+23	0.0000E+00	
Elemental I (atoms)	9.7505E+19	0.0000E+00	
Organic I (atoms)	3.0156E+18	0.0000E+00	
Aerosols (kg)	6.2993E-05	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.8681E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.3329E-06

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1.4740E+04

Total I (Ci)

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 0.7800 Leakage Transport

Noble gases (atoms)	1.3165E+20
Elemental I (atoms)	2.5083E+16
Organic I (atoms)	7.7578E+14
Aerosols (kg)	1.6099E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 0.7800	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 0.7800	Ci	kg	Atoms	Bq
Kr-85	1.1232E+03	2.8628E-03	2.0283E+22	4.1557E+13
Kr-85m	1.6724E+04	2.0322E-02	1.4398E+23	6.1879E+14
Kr-87	2.9614E+04	1.0455E-06	7.2368E+18	1.0957E+15
Kr-88	4.3315E+04	3.4543E-06	2.3639E+19	1.6026E+15
Rb-86	2.9566E-02	3.6336E-10	2.5444E+15	1.0939E+09
I-131	6.8576E+02	5.5314E-06	2.5428E+19	2.5373E+13
I-132	9.4754E+02	9.1797E-08	4.1880E+17	3.5059E+13
I-133	1.3653E+03	1.2052E-06	5.4572E+18	5.0516E+13
I-134	1.3557E+03	5.0819E-08	2.2839E+17	5.0160E+13
I-135	1.2678E+03	3.6100E-07	1.6104E+18	4.6908E+13
Xe-133	1.3163E+05	7.0322E-04	3.1841E+21	4.8703E+15
Xe-135	4.7141E+04	1.8460E-05	8.2345E+19	1.7442E+15
Cs-134	3.1887E+00	2.4646E-06	1.1076E+19	1.1798E+11
Cs-136	8.8721E-01	1.2105E-08	5.3603E+16	3.2827E+10
Cs-137	1.5667E+00	1.8012E-05	7.9174E+19	5.7967E+10

Environment Transport Group Inventory:

Time (h) = 0.7800	Total Release	Release Rate/s	
Noble gases (atoms)	1.6756E+23	5.9672E+19	
Elemental I (atoms)	3.2149E+19	1.1449E+16	
Organic I (atoms)	9.9429E+17	3.5409E+14	
Aerosols (kg)	2.0489E-05	7.2965E-09	
Dose Effective (Ci) I-131 (Thyroid)			9.5671E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2135E+03
Total I (Ci)			5.6221E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 0.7800 Leakage Transport

Noble gases (atoms)	1.3165E+20
Elemental I (atoms)	2.5083E+16
Organic I (atoms)	7.7578E+14
Aerosols (kg)	1.6099E-08

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 0.7800	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.8908E+18

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Elemental I (atoms)	0.0000E+00	1.1318E+15
Organic I (atoms)	0.0000E+00	3.5003E+13
Aerosols (kg)	0.0000E+00	7.2030E-10

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.7800	Filtered	Transported
Noble gases (atoms)	3.7799E+18	0.0000E+00
Elemental I (atoms)	7.2166E+14	0.0000E+00
Organic I (atoms)	2.2319E+13	0.0000E+00
Aerosols (kg)	4.6222E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.7800	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.7800	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	2.1934E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	3.2660E+17
Kr-87	3.8639E+03	1.3641E-07	9.4422E+17	5.0668E+17
Kr-88	6.8733E+03	5.4814E-07	3.7511E+18	7.9578E+17
Rb-86	5.4925E-03	6.7502E-11	4.7268E+14	5.7714E+11
I-131	1.2723E+02	1.0262E-06	4.7176E+18	1.3380E+16
I-132	1.4486E+02	1.4034E-08	6.4026E+16	1.7168E+16
I-133	2.4845E+02	2.1933E-07	9.9309E+17	2.6437E+16
I-134	1.5076E+02	5.6515E-09	2.5398E+16	2.1959E+16
I-135	2.2023E+02	6.2709E-08	2.7974E+17	2.4108E+16
Xe-133	2.4391E+04	1.3031E-04	5.9003E+20	2.5670E+18
Xe-135	8.3518E+03	3.2704E-06	1.4589E+19	9.0327E+17
Cs-134	5.9296E-01	4.5830E-07	2.0597E+18	6.2271E+13
Cs-136	1.6475E-01	2.2479E-09	9.9537E+15	1.7316E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	3.0595E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.7800	Atmosphere	Sump	
Noble gases (atoms)	3.1155E+22	0.0000E+00	
Elemental I (atoms)	5.8975E+18	0.0000E+00	
Organic I (atoms)	1.8240E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.9728E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.4636E-06
Total I (Ci)			8.9153E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 0.7800	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Pathway

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Time (h) =	0.7800	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23	
Elemental I (atoms)	0.0000E+00	3.6947E+19	
Organic I (atoms)	0.0000E+00	1.1427E+18	
Aerosols (kg)	0.0000E+00	2.3498E-05	

Detailed model information at time (H) = 0.7900

CRDA @ EAB - Condenser Release Doses:

Time (h) =	0.7900	whole Body	Thyroid	TEDE
Delta dose (rem)	1.5401E-04	2.5318E-03	2.3417E-04	
Accumulated dose (rem)	1.8662E+00	2.5395E+01	2.6733E+00	

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	0.7900	whole Body	Thyroid	TEDE
Delta dose (rem)	3.7051E-05	6.0910E-04	5.6336E-05	
Accumulated dose (rem)	8.3403E-01	1.1346E+01	1.1946E+00	

Control Room Doses:

Time (h) =	0.7900	whole Body	Thyroid	TEDE
Delta dose (rem)	1.0529E-04	3.5748E-02	1.2372E-03	
Accumulated dose (rem)	1.3889E-02	4.2280E+00	1.4803E-01	

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	0.7900	Ci	kg	Atoms	Decay
Kr-85		3.4532E+03	8.8017E-03	6.2359E+22	3.6974E+17
Kr-85m		5.1418E+04	6.2480E-02	4.4266E+23	5.5055E+18
Kr-87		6.3535E+04	2.2430E-06	1.5526E+19	8.5312E+18
Kr-88		1.1336E+05	9.0405E-06	6.1868E+19	1.3407E+19
Rb-86		9.0807E-02	1.1160E-09	7.8149E+15	9.7290E+12
I-131		2.1034E+03	1.6966E-05	7.7995E+19	2.2554E+17
I-132		2.3878E+03	2.3133E-07	1.0554E+18	2.8920E+17
I-133		4.1064E+03	3.6250E-06	1.6414E+19	4.4561E+17
I-134		2.4730E+03	9.2702E-08	4.1661E+17	3.6960E+17
I-135		3.6372E+03	1.0357E-06	4.6201E+18	4.0629E+17
Xe-133		4.0325E+05	2.1543E-03	9.7546E+21	4.3271E+19
Xe-135		1.3798E+05	5.4031E-05	2.4102E+20	1.5224E+19
Cs-134		9.8036E+00	7.5772E-06	3.4053E+19	1.0497E+15
Cs-136		2.7238E+00	3.7164E-08	1.6456E+17	2.9190E+14
Cs-137		4.8168E+00	5.5377E-05	2.4342E+20	5.1574E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	0.7900	Atmosphere	Sump
Noble gases (atoms)	5.1509E+23	0.0000E+00	
Elemental I (atoms)	9.7486E+19	0.0000E+00	
Organic I (atoms)	3.0150E+18	0.0000E+00	
Aerosols (kg)	6.2993E-05	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)	1.8678E-06	
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)	2.3320E-06	
Total I (Ci)		1.4708E+04	

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.7900 Leakage Transport

Noble gases (atoms)	1.3380E+20
Elemental I (atoms)	2.5490E+16
Organic I (atoms)	7.8834E+14
Aerosols (kg)	1.6362E-08

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DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.7900	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 0.7900	Ci	kg	Atoms	Bq
Kr-85	1.1232E+03	2.8628E-03	2.0283E+22	4.1558E+13
Kr-85m	1.6724E+04	2.0322E-02	1.4398E+23	6.1880E+14
Kr-87	2.9614E+04	1.0455E-06	7.2369E+18	1.0957E+15
Kr-88	4.3315E+04	3.4544E-06	2.3639E+19	1.6027E+15
Rb-86	2.9566E-02	3.6336E-10	2.5444E+15	1.0939E+09
I-131	6.8577E+02	5.5315E-06	2.5429E+19	2.5373E+13
I-132	9.4755E+02	9.1798E-08	4.1880E+17	3.5059E+13
I-133	1.3653E+03	1.2053E-06	5.4573E+18	5.0517E+13
I-134	1.3557E+03	5.0819E-08	2.2839E+17	5.0161E+13
I-135	1.2678E+03	3.6100E-07	1.6104E+18	4.6908E+13
Xe-133	1.3163E+05	7.0323E-04	3.1842E+21	4.8704E+15
Xe-135	4.7141E+04	1.8460E-05	8.2346E+19	1.7442E+15
Cs-134	3.1888E+00	2.4646E-06	1.1076E+19	1.1798E+11
Cs-136	8.8722E-01	1.2105E-08	5.3604E+16	3.2827E+10
Cs-137	1.5667E+00	1.8012E-05	7.9175E+19	5.7968E+10

Environment Transport Group Inventory:

Time (h) = 0.7900	Total Release		
	Release	Rate/s	
Noble gases (atoms)	1.6756E+23	5.8917E+19	
Elemental I (atoms)	3.2149E+19	1.1304E+16	
Organic I (atoms)	9.9431E+17	3.4962E+14	
Aerosols (kg)	2.0489E-05	7.2042E-09	
Dose Effective (Ci)	I-131 (Thyroid)		9.5673E+02
Dose Effective (Ci)	I-131 (ICRP2 Thyroid)		1.2135E+03
Total I (Ci)			5.6221E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.7900 Leakage Transport

Noble gases (atoms)	1.3380E+20
Elemental I (atoms)	2.5490E+16
Organic I (atoms)	7.8834E+14
Aerosols (kg)	1.6362E-08

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 0.7900	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.8970E+18
Elemental I (atoms)	0.0000E+00	1.1329E+15
Organic I (atoms)	0.0000E+00	3.5039E+13
Aerosols (kg)	0.0000E+00	7.2106E-10

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 0.7900	Pathway	
	Filtered	Transported
Noble gases (atoms)	3.8130E+18	0.0000E+00
Elemental I (atoms)	7.2792E+14	0.0000E+00

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Organic I (atoms) 2.2513E+13 0.0000E+00
 Aerosols (kg) 4.6626E-10 0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.7900	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.7900	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	2.2212E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	3.3074E+17
Kr-87	3.8429E+03	1.3567E-07	9.3909E+17	5.1181E+17
Kr-88	6.8565E+03	5.4681E-07	3.7420E+18	8.0493E+17
Rb-86	5.4924E-03	6.7501E-11	4.7267E+14	5.8446E+11
I-131	1.2722E+02	1.0262E-06	4.7175E+18	1.3549E+16
I-132	1.4442E+02	1.3992E-08	6.3833E+16	1.7361E+16
I-133	2.4837E+02	2.1925E-07	9.9276E+17	2.6767E+16
I-134	1.4958E+02	5.6070E-09	2.5198E+16	2.2159E+16
I-135	2.1999E+02	6.2643E-08	2.7944E+17	2.4401E+16
Xe-133	2.4390E+04	1.3030E-04	5.8999E+20	2.5995E+18
Xe-135	8.3456E+03	3.2680E-06	1.4578E+19	9.1439E+17
Cs-134	5.9296E-01	4.5830E-07	2.0597E+18	6.3061E+13
Cs-136	1.6475E-01	2.2478E-09	9.9535E+15	1.7536E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	3.0983E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.7900	Atmosphere	Sump	
Noble gases (atoms)	3.1155E+22	0.0000E+00	
Elemental I (atoms)	5.8963E+18	0.0000E+00	
Organic I (atoms)	1.8236E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.9725E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.4627E-06
Total I (Ci)			8.8959E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 0.7900	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.7900	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.8000

CRDA @ EAB - Condenser Release Doses:

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Time (h) = 0.8000	whole Body	Thyroid	TEDE
Delta dose (rem)	1.5360E-04	2.5314E-03	2.3375E-04
Accumulated dose (rem)	1.8663E+00	2.5398E+01	2.6735E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.8000	whole Body	Thyroid	TEDE
Delta dose (rem)	3.6952E-05	6.0900E-04	5.6234E-05
Accumulated dose (rem)	8.3407E-01	1.1347E+01	1.1947E+00

Control Room Doses:

Time (h) = 0.8000	whole Body	Thyroid	TEDE
Delta dose (rem)	1.0365E-04	3.5280E-02	1.2207E-03
Accumulated dose (rem)	1.3993E-02	4.2633E+00	1.4925E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.8000	Ci	kg	Atoms	Decay
Kr-85	3.4532E+03	8.8017E-03	6.2359E+22	3.7434E+17
Kr-85m	5.1418E+04	6.2480E-02	4.4266E+23	5.5740E+18
Kr-87	6.3190E+04	2.2308E-06	1.5442E+19	8.6156E+18
Kr-88	1.1308E+05	9.0185E-06	6.1716E+19	1.3557E+19
Rb-86	9.0806E-02	1.1160E-09	7.8147E+15	9.8499E+12
I-131	2.1033E+03	1.6966E-05	7.7992E+19	2.2834E+17
I-132	2.3806E+03	2.3063E-07	1.0522E+18	2.9237E+17
I-133	4.1050E+03	3.6237E-06	1.6408E+19	4.5107E+17
I-134	2.4535E+03	9.1971E-08	4.1333E+17	3.7288E+17
I-135	3.6334E+03	1.0346E-06	4.6152E+18	4.1113E+17
Xe-133	4.0323E+05	2.1542E-03	9.7540E+21	4.3808E+19
Xe-135	1.3788E+05	5.3991E-05	2.4084E+20	1.5407E+19
Cs-134	9.8035E+00	7.5772E-06	3.4053E+19	1.0628E+15
Cs-136	2.7237E+00	3.7163E-08	1.6456E+17	2.9553E+14
Cs-137	4.8168E+00	5.5377E-05	2.4342E+20	5.2216E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 0.8000	Atmosphere	Sump	
Noble gases (atoms)	5.1509E+23	0.0000E+00	
Elemental I (atoms)	9.7466E+19	0.0000E+00	
Organic I (atoms)	3.0144E+18	0.0000E+00	
Aerosols (kg)	6.2992E-05	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.8675E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.3311E-06
Total I (Ci)			1.4676E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.8000 Leakage Transport

Noble gases (atoms)	1.3595E+20
Elemental I (atoms)	2.5896E+16
Organic I (atoms)	8.0090E+14
Aerosols (kg)	1.6624E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.8000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

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Time (h) = 0.8000	Ci	kg	Atoms	Bq
Kr-85	1.1232E+03	2.8629E-03	2.0283E+22	4.1559E+13
Kr-85m	1.6724E+04	2.0323E-02	1.4398E+23	6.1881E+14
Kr-87	2.9614E+04	1.0455E-06	7.2370E+18	1.0957E+15
Kr-88	4.3316E+04	3.4544E-06	2.3640E+19	1.6027E+15
Rb-86	2.9566E-02	3.6337E-10	2.5445E+15	1.0940E+09
I-131	6.8578E+02	5.5316E-06	2.5429E+19	2.5374E+13
I-132	9.4756E+02	9.1799E-08	4.1881E+17	3.5060E+13
I-133	1.3653E+03	1.2053E-06	5.4574E+18	5.0518E+13
I-134	1.3557E+03	5.0820E-08	2.2839E+17	5.0161E+13
I-135	1.2678E+03	3.6101E-07	1.6104E+18	4.6909E+13
Xe-133	1.3163E+05	7.0324E-04	3.1842E+21	4.8704E+15
Xe-135	4.7142E+04	1.8460E-05	8.2347E+19	1.7442E+15
Cs-134	3.1888E+00	2.4646E-06	1.1076E+19	1.1799E+11
Cs-136	8.8723E-01	1.2106E-08	5.3604E+16	3.2828E+10
Cs-137	1.5667E+00	1.8012E-05	7.9176E+19	5.7969E+10

Environment Transport Group Inventory:

Time (h) = 0.8000	Total Release	Release Rate/s	
Noble gases (atoms)	1.6756E+23	5.8182E+19	
Elemental I (atoms)	3.2150E+19	1.1163E+16	
Organic I (atoms)	9.9432E+17	3.4525E+14	
Aerosols (kg)	2.0489E-05	7.1143E-09	
Dose Effective (Ci) I-131 (Thyroid)			9.5674E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2135E+03
Total I (Ci)			5.6222E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.8000 Leakage Transport

Noble gases (atoms)	1.3595E+20
Elemental I (atoms)	2.5896E+16
Organic I (atoms)	8.0090E+14
Aerosols (kg)	1.6624E-08

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 0.8000	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.9032E+18
Elemental I (atoms)	0.0000E+00	1.1341E+15
Organic I (atoms)	0.0000E+00	3.5076E+13
Aerosols (kg)	0.0000E+00	7.2182E-10

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 0.8000	Pathway Filtered	Transported
Noble gases (atoms)	3.8456E+18	0.0000E+00
Elemental I (atoms)	7.3409E+14	0.0000E+00
Organic I (atoms)	2.2704E+13	0.0000E+00
Aerosols (kg)	4.7025E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.8000	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18

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Aerosols (kg) 0.0000E+00 2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.8000	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	2.2490E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	3.3488E+17
Kr-87	3.8220E+03	1.3493E-07	9.3398E+17	5.1692E+17
Kr-88	6.8398E+03	5.4547E-07	3.7329E+18	8.1405E+17
Rb-86	5.4923E-03	6.7500E-11	4.7267E+14	5.9178E+11
I-131	1.2722E+02	1.0262E-06	4.7173E+18	1.3719E+16
I-132	1.4399E+02	1.3950E-08	6.3641E+16	1.7553E+16
I-133	2.4829E+02	2.1918E-07	9.9243E+17	2.7098E+16
I-134	1.4840E+02	5.5628E-09	2.5000E+16	2.2358E+16
I-135	2.1976E+02	6.2578E-08	2.7915E+17	2.4694E+16
Xe-133	2.4389E+04	1.3029E-04	5.8996E+20	2.6319E+18
Xe-135	8.3394E+03	3.2656E-06	1.4567E+19	9.2550E+17
Cs-134	5.9296E-01	4.5830E-07	2.0597E+18	6.3850E+13
Cs-136	1.6474E-01	2.2478E-09	9.9533E+15	1.7755E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	3.1371E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.8000	Atmosphere	Sump
Noble gases (atoms)	3.1155E+22	0.0000E+00
Elemental I (atoms)	5.8952E+18	0.0000E+00
Organic I (atoms)	1.8232E+17	0.0000E+00
Aerosols (kg)	3.8100E-06	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.9722E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		2.4618E-06
Total I (Ci)		8.8766E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.8000	Pathway	Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18
Aerosols (kg)		0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.8000	Pathway	Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9217E+23
Elemental I (atoms)		0.0000E+00	3.6947E+19
Organic I (atoms)		0.0000E+00	1.1427E+18
Aerosols (kg)		0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.8100

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.8100	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.5319E-04	2.5310E-03	2.3332E-04
Accumulated dose (rem)	1.8665E+00	2.5400E+01	2.6737E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.8100	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.6854E-05	6.0889E-04	5.6132E-05
Accumulated dose (rem)	8.3411E-01	1.1347E+01	1.1947E+00

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Control Room Doses:

Time (h) =	0.8100	Whole Body	Thyroid	TEDE
Delta dose (rem)		1.0204E-04	3.4819E-02	1.2044E-03
Accumulated dose (rem)		1.4095E-02	4.2981E+00	1.5046E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	0.8100	Ci	kg	Atoms	Decay
Kr-85		3.4532E+03	8.8017E-03	6.2359E+22	3.7894E+17
Kr-85m		5.1418E+04	6.2479E-02	4.4266E+23	5.6424E+18
Kr-87		6.2846E+04	2.2187E-06	1.5358E+19	8.6995E+18
Kr-88		1.1281E+05	8.9964E-06	6.1566E+19	1.3708E+19
Rb-86		9.0804E-02	1.1160E-09	7.8146E+15	9.9709E+12
I-131		2.1032E+03	1.6965E-05	7.7989E+19	2.3114E+17
I-132		2.3734E+03	2.2994E-07	1.0490E+18	2.9554E+17
I-133		4.1036E+03	3.6225E-06	1.6403E+19	4.5654E+17
I-134		2.4342E+03	9.1247E-08	4.1007E+17	3.7614E+17
I-135		3.6296E+03	1.0335E-06	4.6104E+18	4.1596E+17
Xe-133		4.0320E+05	2.1541E-03	9.7534E+21	4.4345E+19
Xe-135		1.3777E+05	5.3950E-05	2.4066E+20	1.5591E+19
Cs-134		9.8035E+00	7.5771E-06	3.4053E+19	1.0758E+15
Cs-136		2.7236E+00	3.7162E-08	1.6456E+17	2.9916E+14
Cs-137		4.8168E+00	5.5377E-05	2.4342E+20	5.2858E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	0.8100	Atmosphere	Sump
Noble gases (atoms)		5.1509E+23	0.0000E+00
Elemental I (atoms)		9.7447E+19	0.0000E+00
Organic I (atoms)		3.0138E+18	0.0000E+00
Aerosols (kg)		6.2992E-05	0.0000E+00
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.8671E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.3302E-06
Total I (Ci)			1.4644E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.8100 Leakage Transport

Noble gases (atoms)	1.3809E+20
Elemental I (atoms)	2.6302E+16
Organic I (atoms)	8.1346E+14
Aerosols (kg)	1.6887E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	0.8100	Pathway	
		Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18
Aerosols (kg)		0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) =	0.8100	Ci	kg	Atoms	Bq
Kr-85		1.1232E+03	2.8629E-03	2.0283E+22	4.1559E+13
Kr-85m		1.6725E+04	2.0323E-02	1.4398E+23	6.1881E+14
Kr-87		2.9615E+04	1.0455E-06	7.2370E+18	1.0957E+15
Kr-88		4.3316E+04	3.4545E-06	2.3640E+19	1.6027E+15
Rb-86		2.9567E-02	3.6337E-10	2.5445E+15	1.0940E+09
I-131		6.8579E+02	5.5317E-06	2.5429E+19	2.5374E+13
I-132		9.4757E+02	9.1800E-08	4.1881E+17	3.5060E+13
I-133		1.3654E+03	1.2053E-06	5.4574E+18	5.0518E+13

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I-134	1.3557E+03	5.0820E-08	2.2839E+17	5.0161E+13
I-135	1.2678E+03	3.6101E-07	1.6104E+18	4.6909E+13
Xe-133	1.3164E+05	7.0325E-04	3.1843E+21	4.8705E+15
Xe-135	4.7142E+04	1.8460E-05	8.2348E+19	1.7443E+15
Cs-134	3.1888E+00	2.4647E-06	1.1077E+19	1.1799E+11
Cs-136	8.8724E-01	1.2106E-08	5.3605E+16	3.2828E+10
Cs-137	1.5667E+00	1.8012E-05	7.9177E+19	5.7969E+10

Environment Transport Group Inventory:

	Total Release	Release Rate/s
Time (h) = 0.8100		
Noble gases (atoms)	1.6756E+23	5.7464E+19
Elemental I (atoms)	3.2150E+19	1.1025E+16
Organic I (atoms)	9.9433E+17	3.4099E+14
Aerosols (kg)	2.0489E-05	7.0265E-09
Dose Effective (Ci) I-131 (Thyroid)		9.5675E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		1.2135E+03
Total I (Ci)		5.6223E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.8100 Leakage Transport

Noble gases (atoms)	1.3809E+20
Elemental I (atoms)	2.6302E+16
Organic I (atoms)	8.1346E+14
Aerosols (kg)	1.6887E-08

Normal Environment to Control Room Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 0.8100		
Noble gases (atoms)	0.0000E+00	5.9094E+18
Elemental I (atoms)	0.0000E+00	1.1353E+15
Organic I (atoms)	0.0000E+00	3.5112E+13
Aerosols (kg)	0.0000E+00	7.2258E-10

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 0.8100		
Noble gases (atoms)	3.8778E+18	0.0000E+00
Elemental I (atoms)	7.4019E+14	0.0000E+00
Organic I (atoms)	2.2892E+13	0.0000E+00
Aerosols (kg)	4.7419E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 0.8100		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

	Ci	kg	Atoms	Decay
Time (h) = 0.8100				
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	2.2769E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	3.3902E+17
Kr-87	3.8012E+03	1.3420E-07	9.2891E+17	5.2200E+17
Kr-88	6.8232E+03	5.4414E-07	3.7238E+18	8.2315E+17
Rb-86	5.4922E-03	6.7499E-11	4.7266E+14	5.9909E+11

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I-131	1.2721E+02	1.0261E-06	4.7171E+18	1.3888E+16
I-132	1.4356E+02	1.3908E-08	6.3449E+16	1.7744E+16
I-133	2.4821E+02	2.1911E-07	9.9210E+17	2.7429E+16
I-134	1.4723E+02	5.5190E-09	2.4803E+16	2.2555E+16
I-135	2.1953E+02	6.2512E-08	2.7886E+17	2.4987E+16
Xe-133	2.4387E+04	1.3029E-04	5.8993E+20	2.6644E+18
Xe-135	8.3332E+03	3.2631E-06	1.4556E+19	9.3661E+17
Cs-134	5.9296E-01	4.5830E-07	2.0596E+18	6.4640E+13
Cs-136	1.6474E-01	2.2477E-09	9.9530E+15	1.7975E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	3.1759E+13

MVP Holdup Transport Group Inventory:

Time (h) =	0.8100	Atmosphere	Sump
Noble gases (atoms)	3.1155E+22	0.0000E+00	
Elemental I (atoms)	5.8940E+18	0.0000E+00	
Organic I (atoms)	1.8229E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)	1.9718E-06	
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)	2.4609E-06	
Total I (Ci)		8.8574E+02	

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) =	0.8100	Filtered Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) =	0.8100	Filtered Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.8200

CRDA @ EAB - Condenser Release Doses:

Time (h) =	0.8200	whole Body	Thyroid	TEDE
Delta dose (rem)	1.5279E-04	2.5306E-03	2.3290E-04	
Accumulated dose (rem)	1.8667E+00	2.5403E+01	2.6740E+00	

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	0.8200	whole Body	Thyroid	TEDE
Delta dose (rem)	3.6757E-05	6.0879E-04	5.6030E-05	
Accumulated dose (rem)	8.3414E-01	1.1348E+01	1.1948E+00	

Control Room Doses:

Time (h) =	0.8200	whole Body	Thyroid	TEDE
Delta dose (rem)	1.0046E-04	3.4366E-02	1.1885E-03	
Accumulated dose (rem)	1.4195E-02	4.3325E+00	1.5165E-01	

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	0.8200	Ci	kg	Atoms	Decay
Kr-85		3.4532E+03	8.8016E-03	6.2358E+22	3.8354E+17

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Kr-85m	5.1417E+04	6.2479E-02	4.4266E+23	5.7109E+18
Kr-87	6.2504E+04	2.2066E-06	1.5274E+19	8.7830E+18
Kr-88	1.1253E+05	8.9745E-06	6.1415E+19	1.3858E+19
Rb-86	9.0802E-02	1.1160E-09	7.8144E+15	1.0092E+13
I-131	2.1031E+03	1.6964E-05	7.7986E+19	2.3394E+17
I-132	2.3663E+03	2.2924E-07	1.0459E+18	2.9869E+17
I-133	4.1022E+03	3.6213E-06	1.6397E+19	4.6201E+17
I-134	2.4150E+03	9.0528E-08	4.0684E+17	3.7937E+17
I-135	3.6258E+03	1.0324E-06	4.6055E+18	4.2080E+17
Xe-133	4.0318E+05	2.1539E-03	9.7529E+21	4.4882E+19
Xe-135	1.3767E+05	5.3910E-05	2.4048E+20	1.5774E+19
Cs-134	9.8035E+00	7.5771E-06	3.4052E+19	1.0889E+15
Cs-136	2.7236E+00	3.7161E-08	1.6455E+17	3.0278E+14
Cs-137	4.8167E+00	5.5376E-05	2.4342E+20	5.3499E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 0.8200	Atmosphere	Sump
Noble gases (atoms)	5.1508E+23	0.0000E+00
Elemental I (atoms)	9.7428E+19	0.0000E+00
Organic I (atoms)	3.0132E+18	0.0000E+00
Aerosols (kg)	6.2992E-05	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.8668E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		2.3294E-06
Total I (Ci)		1.4612E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 0.8200 Leakage Transport

Noble gases (atoms)	1.4024E+20
Elemental I (atoms)	2.6708E+16
Organic I (atoms)	8.2602E+14
Aerosols (kg)	1.7149E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.8200	Pathway	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 0.8200	Ci	kg	Atoms	Bq
Kr-85	1.1232E+03	2.8629E-03	2.0284E+22	4.1560E+13
Kr-85m	1.6725E+04	2.0323E-02	1.4399E+23	6.1882E+14
Kr-87	2.9615E+04	1.0455E-06	7.2371E+18	1.0958E+15
Kr-88	4.3317E+04	3.4545E-06	2.3640E+19	1.6027E+15
Rb-86	2.9567E-02	3.6338E-10	2.5445E+15	1.0940E+09
I-131	6.8579E+02	5.5317E-06	2.5430E+19	2.5374E+13
I-132	9.4758E+02	9.1800E-08	4.1881E+17	3.5060E+13
I-133	1.3654E+03	1.2053E-06	5.4575E+18	5.0519E+13
I-134	1.3557E+03	5.0820E-08	2.2839E+17	5.0162E+13
I-135	1.2678E+03	3.6102E-07	1.6104E+18	4.6910E+13
Xe-133	1.3164E+05	7.0326E-04	3.1843E+21	4.8706E+15
Xe-135	4.7143E+04	1.8460E-05	8.2349E+19	1.7443E+15
Cs-134	3.1889E+00	2.4647E-06	1.1077E+19	1.1799E+11
Cs-136	8.8726E-01	1.2106E-08	5.3606E+16	3.2828E+10
Cs-137	1.5668E+00	1.8012E-05	7.9178E+19	5.7970E+10

Environment Transport Group Inventory:

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	Total	Release	
Time (h) = 0.8200	Release	Rate/s	
Noble gases (atoms)	1.6757E+23	5.6764E+19	
Elemental I (atoms)	3.2150E+19	1.0891E+16	
Organic I (atoms)	9.9434E+17	3.3684E+14	
Aerosols (kg)	2.0490E-05	6.9409E-09	
Dose Effective (Ci) I-131 (Thyroid)			9.5676E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2135E+03
Total I (Ci)			5.6223E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 0.8200 Leakage Transport

Noble gases (atoms)	1.4024E+20
Elemental I (atoms)	2.6708E+16
Organic I (atoms)	8.2602E+14
Aerosols (kg)	1.7149E-08

Normal Environment to Control Room Transport Group Inventory:

	Pathway	
Time (h) = 0.8200	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.9157E+18
Elemental I (atoms)	0.0000E+00	1.1365E+15
Organic I (atoms)	0.0000E+00	3.5148E+13
Aerosols (kg)	0.0000E+00	7.2334E-10

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.8200	Filtered	Transported
Noble gases (atoms)	3.9096E+18	0.0000E+00
Elemental I (atoms)	7.4620E+14	0.0000E+00
Organic I (atoms)	2.3079E+13	0.0000E+00
Aerosols (kg)	4.7808E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.8200	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.8200	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	2.3047E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	3.4317E+17
Kr-87	3.7805E+03	1.3347E-07	9.2386E+17	5.2705E+17
Kr-88	6.8065E+03	5.4282E-07	3.7147E+18	8.3222E+17
Rb-86	5.4921E-03	6.7498E-11	4.7265E+14	6.0641E+11
I-131	1.2721E+02	1.0261E-06	4.7169E+18	1.4057E+16
I-132	1.4312E+02	1.3866E-08	6.3259E+16	1.7935E+16
I-133	2.4812E+02	2.1903E-07	9.9176E+17	2.7759E+16
I-134	1.4607E+02	5.4755E-09	2.4608E+16	2.2750E+16
I-135	2.1930E+02	6.2447E-08	2.7856E+17	2.5279E+16
Xe-133	2.4386E+04	1.3028E-04	5.8990E+20	2.6969E+18
Xe-135	8.3270E+03	3.2607E-06	1.4546E+19	9.4770E+17
Cs-134	5.9296E-01	4.5830E-07	2.0596E+18	6.5430E+13
Cs-136	1.6473E-01	2.2477E-09	9.9528E+15	1.8194E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	3.2147E+13

CRDA GAP MVP TRIP 10 MIN.00

MVP Holdup Transport Group Inventory:

Time (h) =	0.8200	Atmosphere	Sump	
Noble gases (atoms)	3.1155E+22	0.0000E+00		
Elemental I (atoms)	5.8929E+18	0.0000E+00		
Organic I (atoms)	1.8225E+17	0.0000E+00		
Aerosols (kg)	3.8100E-06	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)			1.9715E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)			2.4600E-06
Total I (Ci)				8.8383E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

		Pathway	
Time (h) =	0.8200	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23	
Elemental I (atoms)	0.0000E+00	3.8180E+19	
Organic I (atoms)	0.0000E+00	1.1808E+18	
Aerosols (kg)	0.0000E+00	2.4281E-05	

MVP Holdup to Environment Transport Group Inventory:

		Pathway	
Time (h) =	0.8200	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23	
Elemental I (atoms)	0.0000E+00	3.6947E+19	
Organic I (atoms)	0.0000E+00	1.1427E+18	
Aerosols (kg)	0.0000E+00	2.3498E-05	

Detailed model information at time (H) = 0.8300

CRDA @ EAB - Condenser Release Doses:

Time (h) =	0.8300	whole Body	Thyroid	TEDE
Delta dose (rem)	1.5238E-04	2.5302E-03		2.3248E-04
Accumulated dose (rem)	1.8668E+00	2.5405E+01		2.6742E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	0.8300	whole Body	Thyroid	TEDE
Delta dose (rem)	3.6659E-05	6.0869E-04		5.5929E-05
Accumulated dose (rem)	8.3418E-01	1.1349E+01		1.1948E+00

Control Room Doses:

Time (h) =	0.8300	whole Body	Thyroid	TEDE
Delta dose (rem)	9.8913E-05	3.3920E-02		1.1727E-03
Accumulated dose (rem)	1.4294E-02	4.3664E+00		1.5282E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	0.8300	Ci	kg	Atoms	Decay
Kr-85		3.4532E+03	8.8016E-03	6.2358E+22	3.8814E+17
Kr-85m		5.1417E+04	6.2479E-02	4.4265E+23	5.7794E+18
Kr-87		6.2164E+04	2.1946E-06	1.5191E+19	8.8660E+18
Kr-88		1.1226E+05	8.9526E-06	6.1265E+19	1.4008E+19
Rb-86		9.0800E-02	1.1159E-09	7.8143E+15	1.0213E+13
I-131		2.1031E+03	1.6964E-05	7.7983E+19	2.3675E+17
I-132		2.3592E+03	2.2855E-07	1.0427E+18	3.0184E+17
I-133		4.1009E+03	3.6201E-06	1.6391E+19	4.6747E+17
I-134		2.3960E+03	8.9814E-08	4.0364E+17	3.8257E+17
I-135		3.6220E+03	1.0314E-06	4.6007E+18	4.2562E+17
Xe-133		4.0315E+05	2.1538E-03	9.7523E+21	4.5419E+19

	CRDA	GAP	MVP	TRIP	10 MIN.o0
Xe-135	1.3757E+05	5.3869E-05	2.4030E+20	1.5958E+19	
Cs-134	9.8034E+00	7.5771E-06	3.4052E+19	1.1019E+15	
Cs-136	2.7235E+00	3.7160E-08	1.6455E+17	3.0641E+14	
Cs-137	4.8167E+00	5.5376E-05	2.4342E+20	5.4141E+14	

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	0.8300	Atmosphere	Sump
Noble gases (atoms)	5.1508E+23	0.0000E+00	
Elemental I (atoms)	9.7409E+19	0.0000E+00	
Organic I (atoms)	3.0126E+18	0.0000E+00	
Aerosols (kg)	6.2991E-05	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)	1.8665E-06	
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)	2.3285E-06	
Total I (Ci)		1.4581E+04	

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.8300 Leakage Transport

Noble gases (atoms)	1.4239E+20
Elemental I (atoms)	2.7114E+16
Organic I (atoms)	8.3858E+14
Aerosols (kg)	1.7412E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	0.8300	Pathway	
		Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23	
Elemental I (atoms)	0.0000E+00	3.8180E+19	
Organic I (atoms)	0.0000E+00	1.1808E+18	
Aerosols (kg)	0.0000E+00	2.4281E-05	

Environment Integral Nuclide Release:

Time (h) =	0.8300	Ci	kg	Atoms	Bq
Kr-85		1.1232E+03	2.8630E-03	2.0284E+22	4.1560E+13
Kr-85m		1.6725E+04	2.0323E-02	1.4399E+23	6.1883E+14
Kr-87		2.9615E+04	1.0455E-06	7.2371E+18	1.0958E+15
Kr-88		4.3317E+04	3.4545E-06	2.3640E+19	1.6027E+15
Rb-86		2.9567E-02	3.6338E-10	2.5446E+15	1.0940E+09
I-131		6.8580E+02	5.5318E-06	2.5430E+19	2.5375E+13
I-132		9.4759E+02	9.1801E-08	4.1882E+17	3.5061E+13
I-133		1.3654E+03	1.2053E-06	5.4576E+18	5.0520E+13
I-134		1.3557E+03	5.0821E-08	2.2840E+17	5.0162E+13
I-135		1.2679E+03	3.6102E-07	1.6105E+18	4.6911E+13
Xe-133		1.3164E+05	7.0327E-04	3.1843E+21	4.8706E+15
Xe-135		4.7143E+04	1.8461E-05	8.2350E+19	1.7443E+15
Cs-134		3.1889E+00	2.4647E-06	1.1077E+19	1.1799E+11
Cs-136		8.8727E-01	1.2106E-08	5.3606E+16	3.2829E+10
Cs-137		1.5668E+00	1.8013E-05	7.9179E+19	5.7971E+10

Environment Transport Group Inventory:

Time (h) =	0.8300	Total Release	Release Rate/s
Noble gases (atoms)	1.6757E+23	5.6081E+19	
Elemental I (atoms)	3.2151E+19	1.0760E+16	
Organic I (atoms)	9.9436E+17	3.3278E+14	
Aerosols (kg)	2.0490E-05	6.8574E-09	
Dose Effective (Ci)	I-131 (Thyroid)	9.5677E+02	
Dose Effective (Ci)	I-131 (ICRP2 Thyroid)	1.2135E+03	
Total I (Ci)		5.6224E+03	

CRDA GAP MVP TRIP 10 MIN.00

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 0.8300 Leakage Transport

Noble gases (atoms)	1.4239E+20
Elemental I (atoms)	2.7114E+16
Organic I (atoms)	8.3858E+14
Aerosols (kg)	1.7412E-08

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 0.8300	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.9219E+18
Elemental I (atoms)	0.0000E+00	1.1376E+15
Organic I (atoms)	0.0000E+00	3.5185E+13
Aerosols (kg)	0.0000E+00	7.2410E-10

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 0.8300	Pathway	
	Filtered	Transported
Noble gases (atoms)	3.9410E+18	0.0000E+00
Elemental I (atoms)	7.5214E+14	0.0000E+00
Organic I (atoms)	2.3262E+13	0.0000E+00
Aerosols (kg)	4.8192E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.8300	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.8300	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	2.3325E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	3.4731E+17
Kr-87	3.7600E+03	1.3274E-07	9.1884E+17	5.3207E+17
Kr-88	6.7899E+03	5.4149E-07	3.7056E+18	8.4128E+17
Rb-86	5.4920E-03	6.7497E-11	4.7265E+14	6.1372E+11
I-131	1.2720E+02	1.0260E-06	4.7168E+18	1.4227E+16
I-132	1.4269E+02	1.3824E-08	6.3068E+16	1.8125E+16
I-133	2.4804E+02	2.1896E-07	9.9143E+17	2.8090E+16
I-134	1.4492E+02	5.4324E-09	2.4414E+16	2.2944E+16
I-135	2.1907E+02	6.2381E-08	2.7827E+17	2.5571E+16
Xe-133	2.4385E+04	1.3027E-04	5.8987E+20	2.7294E+18
Xe-135	8.3208E+03	3.2583E-06	1.4535E+19	9.5879E+17
Cs-134	5.9296E-01	4.5830E-07	2.0596E+18	6.6220E+13
Cs-136	1.6473E-01	2.2476E-09	9.9526E+15	1.8413E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	3.2535E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.8300	Atmosphere	Sump	
Noble gases (atoms)	3.1155E+22	0.0000E+00	
Elemental I (atoms)	5.8917E+18	0.0000E+00	
Organic I (atoms)	1.8222E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.9712E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.4591E-06
Total I (Ci)			8.8193E+02

CRDA GAP MVP TRIP 10 MIN.00

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.8300	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.8300	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.8400

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.8400	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.5198E-04	2.5297E-03	2.3206E-04
Accumulated dose (rem)	1.8670E+00	2.5408E+01	2.6744E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.8400	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.6562E-05	6.0859E-04	5.5828E-05
Accumulated dose (rem)	8.3422E-01	1.1349E+01	1.1949E+00

Control Room Doses:

Time (h) = 0.8400	Whole Body	Thyroid	TEDE
Delta dose (rem)	9.7391E-05	3.3481E-02	1.1573E-03
Accumulated dose (rem)	1.4392E-02	4.3999E+00	1.5398E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.8400	Ci	kg	Atoms	Decay
Kr-85	3.4532E+03	8.8015E-03	6.2358E+22	3.9274E+17
Kr-85m	5.1417E+04	6.2479E-02	4.4265E+23	5.8479E+18
Kr-87	6.1826E+04	2.1827E-06	1.5109E+19	8.9486E+18
Kr-88	1.1198E+05	8.9307E-06	6.1116E+19	1.4157E+19
Rb-86	9.0799E-02	1.1159E-09	7.8141E+15	1.0334E+13
I-131	2.1030E+03	1.6963E-05	7.7980E+19	2.3955E+17
I-132	2.3520E+03	2.2786E-07	1.0396E+18	3.0498E+17
I-133	4.0995E+03	3.6189E-06	1.6386E+19	4.7293E+17
I-134	2.3771E+03	8.9107E-08	4.0046E+17	3.8575E+17
I-135	3.6181E+03	1.0303E-06	4.5959E+18	4.3045E+17
Xe-133	4.0313E+05	2.1537E-03	9.7517E+21	4.5956E+19
Xe-135	1.3746E+05	5.3829E-05	2.4012E+20	1.6141E+19
Cs-134	9.8034E+00	7.5770E-06	3.4052E+19	1.1150E+15
Cs-136	2.7234E+00	3.7159E-08	1.6454E+17	3.1004E+14
Cs-137	4.8167E+00	5.5376E-05	2.4342E+20	5.4782E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 0.8400	Atmosphere	Sump
Noble gases (atoms)	5.1508E+23	0.0000E+00
Elemental I (atoms)	9.7389E+19	0.0000E+00
Organic I (atoms)	3.0120E+18	0.0000E+00

CRDA GAP MVP TRIP 10 MIN.00

Aerosols (kg)	6.2991E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.8662E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.3276E-06
Total I (Ci)			1.4550E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 0.8400 Leakage Transport

Noble gases (atoms)	1.4453E+20
Elemental I (atoms)	2.7520E+16
Organic I (atoms)	8.5113E+14
Aerosols (kg)	1.7674E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.8400	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 0.8400	Ci	kg	Atoms	Bq
Kr-85	1.1233E+03	2.8630E-03	2.0284E+22	4.1561E+13
Kr-85m	1.6725E+04	2.0324E-02	1.4399E+23	6.1884E+14
Kr-87	2.9616E+04	1.0455E-06	7.2372E+18	1.0958E+15
Kr-88	4.3318E+04	3.4546E-06	2.3641E+19	1.6027E+15
Rb-86	2.9568E-02	3.6339E-10	2.5446E+15	1.0940E+09
I-131	6.8581E+02	5.5319E-06	2.5430E+19	2.5375E+13
I-132	9.4760E+02	9.1802E-08	4.1882E+17	3.5061E+13
I-133	1.3654E+03	1.2053E-06	5.4576E+18	5.0520E+13
I-134	1.3557E+03	5.0821E-08	2.2840E+17	5.0163E+13
I-135	1.2679E+03	3.6102E-07	1.6105E+18	4.6911E+13
Xe-133	1.3164E+05	7.0328E-04	3.1844E+21	4.8707E+15
Xe-135	4.7144E+04	1.8461E-05	8.2351E+19	1.7443E+15
Cs-134	3.1890E+00	2.4648E-06	1.1077E+19	1.1799E+11
Cs-136	8.8728E-01	1.2106E-08	5.3607E+16	3.2829E+10
Cs-137	1.5668E+00	1.8013E-05	7.9180E+19	5.7972E+10

Environment Transport Group Inventory:

Time (h) = 0.8400	Total		Release Rate/s
	Release	Rate/s	
Noble gases (atoms)	1.6757E+23	5.5414E+19	
Elemental I (atoms)	3.2151E+19	1.0632E+16	
Organic I (atoms)	9.9437E+17	3.2883E+14	
Aerosols (kg)	2.0490E-05	6.7759E-09	
Dose Effective (Ci) I-131 (Thyroid)			9.5679E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2136E+03
Total I (Ci)			5.6224E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 0.8400 Leakage Transport

Noble gases (atoms)	1.4453E+20
Elemental I (atoms)	2.7520E+16
Organic I (atoms)	8.5113E+14
Aerosols (kg)	1.7674E-08

Normal Environment to Control Room Transport Group Inventory:

CRDA GAP MVP TRIP 10 MIN.00

	Pathway	
	Filtered	Transported
Time (h) = 0.8400		
Noble gases (atoms)	0.0000E+00	5.9281E+18
Elemental I (atoms)	0.0000E+00	1.1388E+15
Organic I (atoms)	0.0000E+00	3.5221E+13
Aerosols (kg)	0.0000E+00	7.2486E-10

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 0.8400		
Noble gases (atoms)	3.9720E+18	0.0000E+00
Elemental I (atoms)	7.5800E+14	0.0000E+00
Organic I (atoms)	2.3443E+13	0.0000E+00
Aerosols (kg)	4.8571E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 0.8400		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.8400	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	2.3603E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	3.5145E+17
Kr-87	3.7395E+03	1.3202E-07	9.1384E+17	5.3706E+17
Kr-88	6.7734E+03	5.4017E-07	3.6966E+18	8.5031E+17
Rb-86	5.4920E-03	6.7496E-11	4.7264E+14	6.2104E+11
I-131	1.2720E+02	1.0260E-06	4.7166E+18	1.4396E+16
I-132	1.4226E+02	1.3782E-08	6.2878E+16	1.8315E+16
I-133	2.4796E+02	2.1889E-07	9.9110E+17	2.8420E+16
I-134	1.4378E+02	5.3896E-09	2.4222E+16	2.3136E+16
I-135	2.1884E+02	6.2316E-08	2.7798E+17	2.5863E+16
Xe-133	2.4383E+04	1.3027E-04	5.8983E+20	2.7619E+18
Xe-135	8.3146E+03	3.2559E-06	1.4524E+19	9.6987E+17
Cs-134	5.9296E-01	4.5830E-07	2.0596E+18	6.7010E+13
Cs-136	1.6473E-01	2.2476E-09	9.9524E+15	1.8633E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	3.2923E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.8400	Atmosphere	Sump	
Noble gases (atoms)	3.1155E+22	0.0000E+00	
Elemental I (atoms)	5.8906E+18	0.0000E+00	
Organic I (atoms)	1.8218E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.9709E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.4582E-06
Total I (Ci)			8.8004E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 0.8400		
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

CRDA GAP MVP TRIP 10 MIN.o0

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 0.8400		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (h) = 0.8500

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.8500	whole Body	Thyroid	TEDE
Delta dose (rem)	1.5158E-04	2.5293E-03	2.3164E-04
Accumulated dose (rem)	1.8671E+00	2.5410E+01	2.6747E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.8500	whole Body	Thyroid	TEDE
Delta dose (rem)	3.6466E-05	6.0849E-04	5.5727E-05
Accumulated dose (rem)	8.3425E-01	1.1350E+01	1.1950E+00

Control Room Doses:

Time (h) = 0.8500	whole Body	Thyroid	TEDE
Delta dose (rem)	9.5897E-05	3.3049E-02	1.1421E-03
Accumulated dose (rem)	1.4488E-02	4.4330E+00	1.5512E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.8500	Ci	kg	Atoms	Decay
Kr-85	3.4531E+03	8.8015E-03	6.2357E+22	3.9734E+17
Kr-85m	5.1417E+04	6.2478E-02	4.4265E+23	5.9164E+18
Kr-87	6.1490E+04	2.1708E-06	1.5026E+19	9.0307E+18
Kr-88	1.1171E+05	8.9089E-06	6.0967E+19	1.4306E+19
Rb-86	9.0797E-02	1.1159E-09	7.8140E+15	1.0455E+13
I-131	2.1029E+03	1.6962E-05	7.7976E+19	2.4235E+17
I-132	2.3450E+03	2.2718E-07	1.0364E+18	3.0811E+17
I-133	4.0981E+03	3.6176E-06	1.6380E+19	4.7839E+17
I-134	2.3583E+03	8.8405E-08	3.9730E+17	3.8890E+17
I-135	3.6143E+03	1.0292E-06	4.5910E+18	4.3526E+17
Xe-133	4.0311E+05	2.1536E-03	9.7511E+21	4.6493E+19
Xe-135	1.3736E+05	5.3789E-05	2.3994E+20	1.6324E+19
Cs-134	9.8033E+00	7.5770E-06	3.4052E+19	1.1281E+15
Cs-136	2.7234E+00	3.7158E-08	1.6454E+17	3.1367E+14
Cs-137	4.8167E+00	5.5376E-05	2.4342E+20	5.5424E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 0.8500	Atmosphere	Sump	
Noble gases (atoms)	5.1508E+23	0.0000E+00	
Elemental I (atoms)	9.7370E+19	0.0000E+00	
Organic I (atoms)	3.0114E+18	0.0000E+00	
Aerosols (kg)	6.2991E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.8659E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.3268E-06
Total I (Ci)			1.4519E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.8500 Leakage Transport

Noble gases (atoms)	1.4668E+20
Elemental I (atoms)	2.7926E+16

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Organic I (atoms) 8.6368E+14
 Aerosols (kg) 1.7937E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 0.8500	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 0.8500	Ci	kg	Atoms	Bq
Kr-85	1.1233E+03	2.8631E-03	2.0284E+22	4.1561E+13
Kr-85m	1.6726E+04	2.0324E-02	1.4399E+23	6.1884E+14
Kr-87	2.9616E+04	1.0455E-06	7.2373E+18	1.0958E+15
Kr-88	4.3318E+04	3.4546E-06	2.3641E+19	1.6028E+15
Rb-86	2.9568E-02	3.6339E-10	2.5446E+15	1.0940E+09
I-131	6.8582E+02	5.5319E-06	2.5431E+19	2.5375E+13
I-132	9.4761E+02	9.1803E-08	4.1883E+17	3.5061E+13
I-133	1.3654E+03	1.2053E-06	5.4577E+18	5.0521E+13
I-134	1.3558E+03	5.0822E-08	2.2840E+17	5.0163E+13
I-135	1.2679E+03	3.6103E-07	1.6105E+18	4.6912E+13
Xe-133	1.3164E+05	7.0329E-04	3.1844E+21	4.8708E+15
Xe-135	4.7145E+04	1.8461E-05	8.2352E+19	1.7443E+15
Cs-134	3.1890E+00	2.4648E-06	1.1077E+19	1.1799E+11
Cs-136	8.8729E-01	1.2106E-08	5.3608E+16	3.2830E+10
Cs-137	1.5668E+00	1.8013E-05	7.9181E+19	5.7972E+10

Environment Transport Group Inventory:

Time (h) = 0.8500	Total Release	Release Rate/s
Noble gases (atoms)	1.6757E+23	5.4763E+19
Elemental I (atoms)	3.2152E+19	1.0507E+16
Organic I (atoms)	9.9438E+17	3.2496E+14
Aerosols (kg)	2.0490E-05	6.6962E-09
Dose Effective (Ci) I-131 (Thyroid)		9.5680E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		1.2136E+03
Total I (Ci)		5.6225E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.8500 Leakage Transport

Noble gases (atoms) 1.4668E+20
 Elemental I (atoms) 2.7926E+16
 Organic I (atoms) 8.6368E+14
 Aerosols (kg) 1.7937E-08

Normal Environment to Control Room Transport Group Inventory:

	Pathway	
Time (h) = 0.8500	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.9343E+18
Elemental I (atoms)	0.0000E+00	1.1400E+15
Organic I (atoms)	0.0000E+00	3.5258E+13
Aerosols (kg)	0.0000E+00	7.2562E-10

Normal Return Control Room to Environment Transport Group Inventory:

Pathway

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Time (h) = 0.8500	Filtered	Transported
Noble gases (atoms)	4.0026E+18	0.0000E+00
Elemental I (atoms)	7.6379E+14	0.0000E+00
Organic I (atoms)	2.3622E+13	0.0000E+00
Aerosols (kg)	4.8945E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.8500	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.8500	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	2.3881E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	3.5559E+17
Kr-87	3.7192E+03	1.3130E-07	9.0887E+17	5.4203E+17
Kr-88	6.7569E+03	5.3886E-07	3.6876E+18	8.5932E+17
Rb-86	5.4919E-03	6.7495E-11	4.7263E+14	6.2835E+11
I-131	1.2719E+02	1.0260E-06	4.7164E+18	1.4566E+16
I-132	1.4184E+02	1.3741E-08	6.2689E+16	1.8504E+16
I-133	2.4787E+02	2.1881E-07	9.9077E+17	2.8750E+16
I-134	1.4265E+02	5.3472E-09	2.4031E+16	2.3327E+16
I-135	2.1861E+02	6.2250E-08	2.7769E+17	2.6154E+16
Xe-133	2.4382E+04	1.3026E-04	5.8980E+20	2.7943E+18
Xe-135	8.3084E+03	3.2534E-06	1.4513E+19	9.8094E+17
Cs-134	5.9296E-01	4.5830E-07	2.0596E+18	6.7799E+13
Cs-136	1.6472E-01	2.2475E-09	9.9522E+15	1.8852E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	3.3311E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.8500	Atmosphere	Sump
Noble gases (atoms)	3.1155E+22	0.0000E+00
Elemental I (atoms)	5.8895E+18	0.0000E+00
Organic I (atoms)	1.8215E+17	0.0000E+00
Aerosols (kg)	3.8100E-06	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.9706E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		2.4573E-06
Total I (Ci)		8.7816E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.8500	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.8500	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.8600

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CRDA @ EAB - Condenser Release Doses:

Time (h) =	0.8600	Whole Body	Thyroid	TEDE
Delta dose (rem)		1.5118E-04	2.5289E-03	2.3123E-04
Accumulated dose (rem)		1.8673E+00	2.5413E+01	2.6749E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	0.8600	Whole Body	Thyroid	TEDE
Delta dose (rem)		3.6369E-05	6.0839E-04	5.5627E-05
Accumulated dose (rem)		8.3429E-01	1.1350E+01	1.1950E+00

Control Room Doses:

Time (h) =	0.8600	Whole Body	Thyroid	TEDE
Delta dose (rem)		9.4430E-05	3.2624E-02	1.1271E-03
Accumulated dose (rem)		1.4582E-02	4.4656E+00	1.5625E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	0.8600	Ci	kg	Atoms	Decay
Kr-85		3.4531E+03	8.8015E-03	6.2357E+22	4.0194E+17
Kr-85m		5.1417E+04	6.2478E-02	4.4265E+23	5.9849E+18
Kr-87		6.1155E+04	2.1590E-06	1.4945E+19	9.1124E+18
Kr-88		1.1144E+05	8.8871E-06	6.0818E+19	1.4455E+19
Rb-86		9.0795E-02	1.1159E-09	7.8138E+15	1.0576E+13
I-131		2.1028E+03	1.6962E-05	7.7973E+19	2.4515E+17
I-132		2.3379E+03	2.2649E-07	1.0333E+18	3.1123E+17
I-133		4.0967E+03	3.6164E-06	1.6375E+19	4.8385E+17
I-134		2.3398E+03	8.7708E-08	3.9417E+17	3.9203E+17
I-135		3.6105E+03	1.0281E-06	4.5862E+18	4.4007E+17
Xe-133		4.0308E+05	2.1534E-03	9.7506E+21	4.7030E+19
Xe-135		1.3726E+05	5.3748E-05	2.3976E+20	1.6507E+19
Cs-134		9.8033E+00	7.5770E-06	3.4052E+19	1.1411E+15
Cs-136		2.7233E+00	3.7157E-08	1.6453E+17	3.1729E+14
Cs-137		4.8167E+00	5.5375E-05	2.4342E+20	5.6066E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	0.8600	Atmosphere	Sump
Noble gases (atoms)		5.1507E+23	0.0000E+00
Elemental I (atoms)		9.7351E+19	0.0000E+00
Organic I (atoms)		3.0109E+18	0.0000E+00
Aerosols (kg)		6.2991E-05	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)			1.8656E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.3259E-06
Total I (Ci)			1.4488E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.8600 Leakage Transport

Noble gases (atoms)	1.4882E+20
Elemental I (atoms)	2.8331E+16
Organic I (atoms)	8.7623E+14
Aerosols (kg)	1.8199E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	0.8600	Pathway	
		Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18

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Aerosols (kg) 0.0000E+00 2.4281E-05

Environment Integral Nuclide Release:

Time (h) =	Ci	kg	Atoms	Bq
0.8600				
Kr-85	1.1233E+03	2.8631E-03	2.0285E+22	4.1562E+13
Kr-85m	1.6726E+04	2.0324E-02	1.4399E+23	6.1885E+14
Kr-87	2.9616E+04	1.0456E-06	7.2373E+18	1.0958E+15
Kr-88	4.3318E+04	3.4546E-06	2.3641E+19	1.6028E+15
Rb-86	2.9569E-02	3.6340E-10	2.5447E+15	1.0940E+09
I-131	6.8583E+02	5.5320E-06	2.5431E+19	2.5376E+13
I-132	9.4762E+02	9.1804E-08	4.1883E+17	3.5062E+13
I-133	1.3654E+03	1.2054E-06	5.4578E+18	5.0521E+13
I-134	1.3558E+03	5.0822E-08	2.2840E+17	5.0163E+13
I-135	1.2679E+03	3.6103E-07	1.6105E+18	4.6912E+13
Xe-133	1.3164E+05	7.0329E-04	3.1845E+21	4.8708E+15
Xe-135	4.7145E+04	1.8461E-05	8.2353E+19	1.7444E+15
Cs-134	3.1891E+00	2.4648E-06	1.1077E+19	1.1799E+11
Cs-136	8.8730E-01	1.2107E-08	5.3608E+16	3.2830E+10
Cs-137	1.5668E+00	1.8013E-05	7.9182E+19	5.7973E+10

Environment Transport Group Inventory:

Time (h) =	Total Release	Release Rate/s
0.8600		
Noble gases (atoms)	1.6758E+23	5.4127E+19
Elemental I (atoms)	3.2152E+19	1.0385E+16
Organic I (atoms)	9.9439E+17	3.2119E+14
Aerosols (kg)	2.0491E-05	6.6184E-09
Dose Effective (Ci) I-131 (Thyroid)		9.5681E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		1.2136E+03
Total I (Ci)		5.6226E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 0.8600 Leakage Transport

Noble gases (atoms)	1.4882E+20
Elemental I (atoms)	2.8331E+16
Organic I (atoms)	8.7623E+14
Aerosols (kg)	1.8199E-08

Normal Environment to Control Room Transport Group Inventory:

Time (h) =	Pathway Filtered	Transported
0.8600		
Noble gases (atoms)	0.0000E+00	5.9405E+18
Elemental I (atoms)	0.0000E+00	1.1412E+15
Organic I (atoms)	0.0000E+00	3.5294E+13
Aerosols (kg)	0.0000E+00	7.2639E-10

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) =	Pathway Filtered	Transported
0.8600		
Noble gases (atoms)	4.0328E+18	0.0000E+00
Elemental I (atoms)	7.6950E+14	0.0000E+00
Organic I (atoms)	2.3799E+13	0.0000E+00
Aerosols (kg)	4.9314E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) =	Pathway Filtered	Transported
0.8600		

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Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) =	0.8600				
		Ci	kg	Atoms	Decay
Kr-85		2.0886E+02	5.3236E-04	3.7717E+21	2.4160E+16
Kr-85m		3.1100E+03	3.7790E-03	2.6774E+22	3.5974E+17
Kr-87		3.6990E+03	1.3059E-07	9.0393E+17	5.4697E+17
Kr-88		6.7404E+03	5.3754E-07	3.6786E+18	8.6831E+17
Rb-86		5.4918E-03	6.7494E-11	4.7262E+14	6.3567E+11
I-131		1.2719E+02	1.0259E-06	4.7163E+18	1.4735E+16
I-132		1.4141E+02	1.3700E-08	6.2501E+16	1.8693E+16
I-133		2.4779E+02	2.1874E-07	9.9044E+17	2.9081E+16
I-134		1.4152E+02	5.3051E-09	2.3842E+16	2.3516E+16
I-135		2.1839E+02	6.2185E-08	2.7740E+17	2.6445E+16
Xe-133		2.4381E+04	1.3025E-04	5.8977E+20	2.8268E+18
Xe-135		8.3022E+03	3.2510E-06	1.4502E+19	9.9200E+17
Cs-134		5.9296E-01	4.5830E-07	2.0596E+18	6.8589E+13
Cs-136		1.6472E-01	2.2475E-09	9.9519E+15	1.9072E+13
Cs-137		2.9134E-01	3.3494E-06	1.4723E+19	3.3700E+13

MVP Holdup Transport Group Inventory:

Time (h) =	0.8600	Atmosphere	Sump	
Noble gases (atoms)		3.1154E+22	0.0000E+00	
Elemental I (atoms)		5.8883E+18	0.0000E+00	
Organic I (atoms)		1.8211E+17	0.0000E+00	
Aerosols (kg)		3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)			1.9702E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)			2.4564E-06
Total I (Ci)				8.7630E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

		Pathway	
Time (h) =	0.8600	Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18
Aerosols (kg)		0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

		Pathway	
Time (h) =	0.8600	Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9217E+23
Elemental I (atoms)		0.0000E+00	3.6947E+19
Organic I (atoms)		0.0000E+00	1.1427E+18
Aerosols (kg)		0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.8700

CRDA @ EAB - Condenser Release Doses:

Time (h) =	0.8700	Whole Body	Thyroid	TEDE
Delta dose (rem)		1.5078E-04	2.5285E-03	2.3081E-04
Accumulated dose (rem)		1.8674E+00	2.5415E+01	2.6751E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	0.8700	Whole Body	Thyroid	TEDE
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Delta dose (rem) 3.6273E-05 6.0828E-04 5.5527E-05
 Accumulated dose (rem) 8.3432E-01 1.1351E+01 1.1951E+00

Control Room Doses:

Time (h) = 0.8700 Whole Body Thyroid TEDE
 Delta dose (rem) 9.2990E-05 3.2206E-02 1.1124E-03
 Accumulated dose (rem) 1.4675E-02 4.4978E+00 1.5736E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	Ci	kg	Atoms	Decay
0.8700				
Kr-85	3.4531E+03	8.8014E-03	6.2357E+22	4.0654E+17
Kr-85m	5.1416E+04	6.2478E-02	4.4265E+23	6.0534E+18
Kr-87	6.0822E+04	2.1473E-06	1.4863E+19	9.1936E+18
Kr-88	1.1117E+05	8.8654E-06	6.0669E+19	1.4603E+19
Rb-86	9.0793E-02	1.1158E-09	7.8137E+15	1.0697E+13
I-131	2.1027E+03	1.6961E-05	7.7970E+19	2.4795E+17
I-132	2.3308E+03	2.2581E-07	1.0302E+18	3.1433E+17
I-133	4.0953E+03	3.6152E-06	1.6369E+19	4.8930E+17
I-134	2.3213E+03	8.7017E-08	3.9107E+17	3.9514E+17
I-135	3.6067E+03	1.0270E-06	4.5814E+18	4.4488E+17
Xe-133	4.0306E+05	2.1533E-03	9.7500E+21	4.7567E+19
Xe-135	1.3716E+05	5.3708E-05	2.3958E+20	1.6690E+19
Cs-134	9.8032E+00	7.5769E-06	3.4052E+19	1.1542E+15
Cs-136	2.7232E+00	3.7156E-08	1.6453E+17	3.2092E+14
Cs-137	4.8166E+00	5.5375E-05	2.4341E+20	5.6707E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	Atmosphere	Sump
0.8700		
Noble gases (atoms)	5.1507E+23	0.0000E+00
Elemental I (atoms)	9.7332E+19	0.0000E+00
Organic I (atoms)	3.0103E+18	0.0000E+00
Aerosols (kg)	6.2990E-05	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.8653E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		2.3250E-06
Total I (Ci)		1.4457E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.8700 Leakage Transport

Noble gases (atoms)	1.5097E+20
Elemental I (atoms)	2.8737E+16
Organic I (atoms)	8.8877E+14
Aerosols (kg)	1.8462E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	Pathway	
	Filtered	Transported
0.8700		
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) =	Ci	kg	Atoms	Bq
0.8700				
Kr-85	1.1233E+03	2.8631E-03	2.0285E+22	4.1562E+13
Kr-85m	1.6726E+04	2.0324E-02	1.4400E+23	6.1886E+14
Kr-87	2.9616E+04	1.0456E-06	7.2374E+18	1.0958E+15
Kr-88	4.3319E+04	3.4547E-06	2.3641E+19	1.6028E+15
Rb-86	2.9569E-02	3.6340E-10	2.5447E+15	1.0941E+09

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I-131	6.8584E+02	5.5321E-06	2.5431E+19	2.5376E+13
I-132	9.4763E+02	9.1805E-08	4.1884E+17	3.5062E+13
I-133	1.3655E+03	1.2054E-06	5.4579E+18	5.0522E+13
I-134	1.3558E+03	5.0822E-08	2.2840E+17	5.0164E+13
I-135	1.2679E+03	3.6104E-07	1.6105E+18	4.6913E+13
Xe-133	1.3165E+05	7.0330E-04	3.1845E+21	4.8709E+15
Xe-135	4.7146E+04	1.8462E-05	8.2354E+19	1.7444E+15
Cs-134	3.1891E+00	2.4648E-06	1.1077E+19	1.1800E+11
Cs-136	8.8731E-01	1.2107E-08	5.3609E+16	3.2831E+10
Cs-137	1.5669E+00	1.8014E-05	7.9183E+19	5.7974E+10

Environment Transport Group Inventory:

	Total	Release	Rate/s
Time (h) = 0.8700			
Noble gases (atoms)	1.6758E+23	5.3505E+19	
Elemental I (atoms)	3.2152E+19	1.0266E+16	
Organic I (atoms)	9.9441E+17	3.1750E+14	
Aerosols (kg)	2.0491E-05	6.5425E-09	
Dose Effective (Ci) I-131 (Thyroid)			9.5682E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2136E+03
Total I (Ci)			5.6226E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.8700 Leakage Transport

Noble gases (atoms)	1.5097E+20
Elemental I (atoms)	2.8737E+16
Organic I (atoms)	8.8877E+14
Aerosols (kg)	1.8462E-08

Normal Environment to Control Room Transport Group Inventory:

	Pathway	Filtered	Transported
Time (h) = 0.8700			
Noble gases (atoms)	0.0000E+00	5.9468E+18	
Elemental I (atoms)	0.0000E+00	1.1423E+15	
Organic I (atoms)	0.0000E+00	3.5330E+13	
Aerosols (kg)	0.0000E+00	7.2715E-10	

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway	Filtered	Transported
Time (h) = 0.8700			
Noble gases (atoms)	4.0626E+18	0.0000E+00	
Elemental I (atoms)	7.7513E+14	0.0000E+00	
Organic I (atoms)	2.3973E+13	0.0000E+00	
Aerosols (kg)	4.9679E-10	0.0000E+00	

MVP Holdup to Environment Transport Group Inventory:

	Pathway	Filtered	Transported
Time (h) = 0.8700			
Noble gases (atoms)	0.0000E+00	1.9217E+23	
Elemental I (atoms)	0.0000E+00	3.6947E+19	
Organic I (atoms)	0.0000E+00	1.1427E+18	
Aerosols (kg)	0.0000E+00	2.3498E-05	

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.8700	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	2.4438E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	3.6388E+17

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Kr-87	3.6789E+03	1.2988E-07	8.9902E+17	5.5188E+17
Kr-88	6.7240E+03	5.3623E-07	3.6696E+18	8.7728E+17
Rb-86	5.4917E-03	6.7493E-11	4.7262E+14	6.4298E+11
I-131	1.2719E+02	1.0259E-06	4.7161E+18	1.4905E+16
I-132	1.4098E+02	1.3658E-08	6.2312E+16	1.8881E+16
I-133	2.4771E+02	2.1867E-07	9.9011E+17	2.9411E+16
I-134	1.4041E+02	5.2633E-09	2.3654E+16	2.3704E+16
I-135	2.1816E+02	6.2120E-08	2.7711E+17	2.6736E+16
Xe-133	2.4379E+04	1.3024E-04	5.8974E+20	2.8593E+18
Xe-135	8.2960E+03	3.2486E-06	1.4491E+19	1.0031E+18
Cs-134	5.9296E-01	4.5830E-07	2.0596E+18	6.9379E+13
Cs-136	1.6472E-01	2.2474E-09	9.9517E+15	1.9291E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	3.4088E+13

MVP Holdup Transport Group Inventory:

Time (h) =	0.8700	Atmosphere	Sump	
Noble gases (atoms)	3.1154E+22	0.0000E+00		
Elemental I (atoms)	5.8872E+18	0.0000E+00		
Organic I (atoms)	1.8208E+17	0.0000E+00		
Aerosols (kg)	3.8100E-06	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)			1.9699E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)			2.4555E-06
Total I (Ci)				8.7444E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

		Pathway	
Time (h) =	0.8700	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23	
Elemental I (atoms)	0.0000E+00	3.8180E+19	
Organic I (atoms)	0.0000E+00	1.1808E+18	
Aerosols (kg)	0.0000E+00	2.4281E-05	

MVP Holdup to Environment Transport Group Inventory:

		Pathway	
Time (h) =	0.8700	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23	
Elemental I (atoms)	0.0000E+00	3.6947E+19	
Organic I (atoms)	0.0000E+00	1.1427E+18	
Aerosols (kg)	0.0000E+00	2.3498E-05	

Detailed model information at time (H) = 0.8800

CRDA @ EAB - Condenser Release Doses:

Time (h) =	0.8800	whole Body	Thyroid	TEDE
Delta dose (rem)		1.5038E-04	2.5280E-03	2.3040E-04
Accumulated dose (rem)		1.8676E+00	2.5418E+01	2.6753E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	0.8800	whole Body	Thyroid	TEDE
Delta dose (rem)		3.6178E-05	6.0818E-04	5.5428E-05
Accumulated dose (rem)		8.3436E-01	1.1352E+01	1.1951E+00

Control Room Doses:

Time (h) =	0.8800	whole Body	Thyroid	TEDE
Delta dose (rem)		9.1576E-05	3.1795E-02	1.0979E-03
Accumulated dose (rem)		1.4767E-02	4.5296E+00	1.5846E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

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Time (h) =	Ci	kg	Atoms	Decay
0.8800				
Kr-85	3.4531E+03	8.8014E-03	6.2357E+22	4.1114E+17
Kr-85m	5.1416E+04	6.2478E-02	4.4265E+23	6.1218E+18
Kr-87	6.0491E+04	2.1356E-06	1.4782E+19	9.2744E+18
Kr-88	1.1089E+05	8.8438E-06	6.0521E+19	1.4751E+19
Rb-86	9.0791E-02	1.1158E-09	7.8135E+15	1.0817E+13
I-131	2.1026E+03	1.6960E-05	7.7967E+19	2.5075E+17
I-132	2.3238E+03	2.2513E-07	1.0271E+18	3.1743E+17
I-133	4.0939E+03	3.6140E-06	1.6364E+19	4.9476E+17
I-134	2.3030E+03	8.6331E-08	3.8798E+17	3.9822E+17
I-135	3.6029E+03	1.0259E-06	4.5765E+18	4.4968E+17
Xe-133	4.0304E+05	2.1532E-03	9.7494E+21	4.8104E+19
Xe-135	1.3705E+05	5.3668E-05	2.3940E+20	1.6872E+19
Cs-134	9.8032E+00	7.5769E-06	3.4052E+19	1.1672E+15
Cs-136	2.7232E+00	3.7155E-08	1.6453E+17	3.2455E+14
Cs-137	4.8166E+00	5.5375E-05	2.4341E+20	5.7349E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	Atmosphere	Sump	
0.8800			
Noble gases (atoms)	5.1507E+23	0.0000E+00	
Elemental I (atoms)	9.7313E+19	0.0000E+00	
Organic I (atoms)	3.0097E+18	0.0000E+00	
Aerosols (kg)	6.2990E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.8650E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.3242E-06
Total I (Ci)			1.4426E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.8800 Leakage Transport

Noble gases (atoms)	1.5312E+20
Elemental I (atoms)	2.9143E+16
Organic I (atoms)	9.0132E+14
Aerosols (kg)	1.8724E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	Pathway	Filtered	Transported
0.8800			
Noble gases (atoms)		0.0000E+00	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18
Aerosols (kg)		0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) =	Ci	kg	Atoms	Bq
0.8800				
Kr-85	1.1233E+03	2.8632E-03	2.0285E+22	4.1563E+13
Kr-85m	1.6726E+04	2.0325E-02	1.4400E+23	6.1887E+14
Kr-87	2.9617E+04	1.0456E-06	7.2375E+18	1.0958E+15
Kr-88	4.3319E+04	3.4547E-06	2.3642E+19	1.6028E+15
Rb-86	2.9569E-02	3.6340E-10	2.5447E+15	1.0941E+09
I-131	6.8585E+02	5.5322E-06	2.5432E+19	2.5376E+13
I-132	9.4764E+02	9.1806E-08	4.1884E+17	3.5063E+13
I-133	1.3655E+03	1.2054E-06	5.4579E+18	5.0523E+13
I-134	1.3558E+03	5.0823E-08	2.2840E+17	5.0164E+13
I-135	1.2679E+03	3.6104E-07	1.6106E+18	4.6913E+13
Xe-133	1.3165E+05	7.0331E-04	3.1845E+21	4.8709E+15
Xe-135	4.7146E+04	1.8462E-05	8.2355E+19	1.7444E+15
Cs-134	3.1891E+00	2.4649E-06	1.1077E+19	1.1800E+11
Cs-136	8.8732E-01	1.2107E-08	5.3610E+16	3.2831E+10
Cs-137	1.5669E+00	1.8014E-05	7.9184E+19	5.7975E+10

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Environment Transport Group Inventory:

	Total Release	Release Rate/s	
Time (h) = 0.8800			
Noble gases (atoms)	1.6758E+23	5.2898E+19	
Elemental I (atoms)	3.2153E+19	1.0149E+16	
Organic I (atoms)	9.9442E+17	3.1389E+14	
Aerosols (kg)	2.0491E-05	6.4682E-09	
Dose Effective (Ci) I-131 (Thyroid)			9.5683E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2136E+03
Total I (Ci)			5.6227E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 0.8800 Leakage Transport

Noble gases (atoms)	1.5312E+20
Elemental I (atoms)	2.9143E+16
Organic I (atoms)	9.0132E+14
Aerosols (kg)	1.8724E-08

Normal Environment to Control Room Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 0.8800		
Noble gases (atoms)	0.0000E+00	5.9530E+18
Elemental I (atoms)	0.0000E+00	1.1435E+15
Organic I (atoms)	0.0000E+00	3.5367E+13
Aerosols (kg)	0.0000E+00	7.2791E-10

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 0.8800		
Noble gases (atoms)	4.0920E+18	0.0000E+00
Elemental I (atoms)	7.8070E+14	0.0000E+00
Organic I (atoms)	2.4145E+13	0.0000E+00
Aerosols (kg)	5.0039E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 0.8800		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.8800	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	2.4716E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	3.6802E+17
Kr-87	3.6589E+03	1.2917E-07	8.9413E+17	5.5677E+17
Kr-88	6.7076E+03	5.3493E-07	3.6607E+18	8.8623E+17
Rb-86	5.4916E-03	6.7492E-11	4.7261E+14	6.5030E+11
I-131	1.2718E+02	1.0259E-06	4.7159E+18	1.5074E+16
I-132	1.4056E+02	1.3617E-08	6.2125E+16	1.9069E+16
I-133	2.4763E+02	2.1860E-07	9.8978E+17	2.9740E+16
I-134	1.3930E+02	5.2218E-09	2.3468E+16	2.3890E+16
I-135	2.1793E+02	6.2055E-08	2.7682E+17	2.7026E+16
Xe-133	2.4378E+04	1.3024E-04	5.8971E+20	2.8918E+18
Xe-135	8.2898E+03	3.2462E-06	1.4481E+19	1.0141E+18

	CRDA GAP MVP TRIP 10 MIN.00			
Cs-134	5.9296E-01	4.5830E-07	2.0596E+18	7.0169E+13
Cs-136	1.6471E-01	2.2474E-09	9.9515E+15	1.9510E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	3.4476E+13

MVP Holdup Transport Group Inventory:

Time (h) =	0.8800	Atmosphere	Sump	
Noble gases (atoms)	3.1154E+22	0.0000E+00		
Elemental I (atoms)	5.8861E+18	0.0000E+00		
Organic I (atoms)	1.8204E+17	0.0000E+00		
Aerosols (kg)	3.8100E-06	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.9696E-06	
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.4546E-06	
Total I (Ci)			8.7260E+02	

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

		Pathway	
Time (h) =	0.8800	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23	
Elemental I (atoms)	0.0000E+00	3.8180E+19	
Organic I (atoms)	0.0000E+00	1.1808E+18	
Aerosols (kg)	0.0000E+00	2.4281E-05	

MVP Holdup to Environment Transport Group Inventory:

		Pathway	
Time (h) =	0.8800	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23	
Elemental I (atoms)	0.0000E+00	3.6947E+19	
Organic I (atoms)	0.0000E+00	1.1427E+18	
Aerosols (kg)	0.0000E+00	2.3498E-05	

Detailed model information at time (H) = 0.8900

CRDA @ EAB - Condenser Release Doses:

Time (h) =	0.8900	Whole Body	Thyroid	TEDE
Delta dose (rem)		1.4999E-04	2.5276E-03	2.2998E-04
Accumulated dose (rem)		1.8677E+00	2.5420E+01	2.6756E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	0.8900	Whole Body	Thyroid	TEDE
Delta dose (rem)		3.6083E-05	6.0808E-04	5.5328E-05
Accumulated dose (rem)		8.3440E-01	1.1352E+01	1.1952E+00

Control Room Doses:

Time (h) =	0.8900	Whole Body	Thyroid	TEDE
Delta dose (rem)		9.0187E-05	3.1390E-02	1.0837E-03
Accumulated dose (rem)		1.4857E-02	4.5610E+00	1.5954E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	0.8900	Ci	kg	Atoms	Decay
Kr-85		3.4531E+03	8.8014E-03	6.2356E+22	4.1574E+17
Kr-85m		5.1416E+04	6.2477E-02	4.4264E+23	6.1903E+18
Kr-87		6.0162E+04	2.1240E-06	1.4702E+19	9.3548E+18
Kr-88		1.1062E+05	8.8222E-06	6.0373E+19	1.4898E+19
Rb-86		9.0790E-02	1.1158E-09	7.8134E+15	1.0938E+13
I-131		2.1026E+03	1.6960E-05	7.7964E+19	2.5355E+17
I-132		2.3168E+03	2.2445E-07	1.0240E+18	3.2053E+17
I-133		4.0926E+03	3.6128E-06	1.6358E+19	5.0021E+17

	CRDA	GAP	MVP	TRIP	10 MIN.o0
I-134	2.2849E+03	8.5651E-08	3.8493E+17	4.0127E+17	
I-135	3.5991E+03	1.0249E-06	4.5717E+18	4.5448E+17	
Xe-133	4.0301E+05	2.1531E-03	9.7489E+21	4.8641E+19	
Xe-135	1.3695E+05	5.3628E-05	2.3922E+20	1.7055E+19	
Cs-134	9.8031E+00	7.5768E-06	3.4051E+19	1.1803E+15	
Cs-136	2.7231E+00	3.7154E-08	1.6452E+17	3.2818E+14	
Cs-137	4.8166E+00	5.5375E-05	2.4341E+20	5.7990E+14	

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	0.8900	Atmosphere	Sump
Noble gases (atoms)		5.1506E+23	0.0000E+00
Elemental I (atoms)		9.7294E+19	0.0000E+00
Organic I (atoms)		3.0091E+18	0.0000E+00
Aerosols (kg)		6.2990E-05	0.0000E+00
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.8646E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.3233E-06
Total I (Ci)			1.4396E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.8900 Leakage Transport

Noble gases (atoms)	1.5526E+20
Elemental I (atoms)	2.9548E+16
Organic I (atoms)	9.1386E+14
Aerosols (kg)	1.8986E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	0.8900	Pathway	Transported
Noble gases (atoms)		Filtered	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18
Aerosols (kg)		0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) =	0.8900	Ci	kg	Atoms	Bq
Kr-85		1.1233E+03	2.8632E-03	2.0285E+22	4.1563E+13
Kr-85m		1.6726E+04	2.0325E-02	1.4400E+23	6.1888E+14
Kr-87		2.9617E+04	1.0456E-06	7.2375E+18	1.0958E+15
Kr-88		4.3320E+04	3.4547E-06	2.3642E+19	1.6028E+15
Rb-86		2.9570E-02	3.6341E-10	2.5448E+15	1.0941E+09
I-131		6.8586E+02	5.5322E-06	2.5432E+19	2.5377E+13
I-132		9.4765E+02	9.1807E-08	4.1884E+17	3.5063E+13
I-133		1.3655E+03	1.2054E-06	5.4580E+18	5.0523E+13
I-134		1.3558E+03	5.0823E-08	2.2841E+17	5.0164E+13
I-135		1.2679E+03	3.6105E-07	1.6106E+18	4.6914E+13
Xe-133		1.3165E+05	7.0332E-04	3.1846E+21	4.8710E+15
Xe-135		4.7147E+04	1.8462E-05	8.2356E+19	1.7444E+15
Cs-134		3.1892E+00	2.4649E-06	1.1078E+19	1.1800E+11
Cs-136		8.8734E-01	1.2107E-08	5.3610E+16	3.2831E+10
Cs-137		1.5669E+00	1.8014E-05	7.9185E+19	5.7975E+10

Environment Transport Group Inventory:

Time (h) =	0.8900	Total Release	Release Rate/s
Noble gases (atoms)		1.6758E+23	5.2304E+19
Elemental I (atoms)		3.2153E+19	1.0035E+16
Organic I (atoms)		9.9443E+17	3.1037E+14
Aerosols (kg)		2.0491E-05	6.3956E-09
Dose Effective (Ci)	I-131 (Thyroid)		9.5685E+02

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Dose Effective (Ci) I-131 (ICRP2 Thyroid) 1.2136E+03
 Total I (Ci) 5.6227E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 0.8900 Leakage Transport

Noble gases (atoms) 1.5526E+20
 Elemental I (atoms) 2.9548E+16
 Organic I (atoms) 9.1386E+14
 Aerosols (kg) 1.8986E-08

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 0.8900	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.9592E+18
Elemental I (atoms)	0.0000E+00	1.1447E+15
Organic I (atoms)	0.0000E+00	3.5403E+13
Aerosols (kg)	0.0000E+00	7.2867E-10

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 0.8900	Pathway	
	Filtered	Transported
Noble gases (atoms)	4.1211E+18	0.0000E+00
Elemental I (atoms)	7.8619E+14	0.0000E+00
Organic I (atoms)	2.4315E+13	0.0000E+00
Aerosols (kg)	5.0395E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.8900	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.8900	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	2.4994E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	3.7216E+17
Kr-87	3.6390E+03	1.2847E-07	8.8927E+17	5.6163E+17
Kr-88	6.6912E+03	5.3362E-07	3.6518E+18	8.9515E+17
Rb-86	5.4915E-03	6.7491E-11	4.7260E+14	6.5761E+11
I-131	1.2718E+02	1.0258E-06	4.7158E+18	1.5243E+16
I-132	1.4014E+02	1.3576E-08	6.1938E+16	1.9256E+16
I-133	2.4754E+02	2.1852E-07	9.8945E+17	3.0070E+16
I-134	1.3820E+02	5.1807E-09	2.3283E+16	2.4075E+16
I-135	2.1770E+02	6.1990E-08	2.7653E+17	2.7316E+16
Xe-133	2.4377E+04	1.3023E-04	5.8967E+20	2.9242E+18
Xe-135	8.2836E+03	3.2437E-06	1.4470E+19	1.0251E+18
Cs-134	5.9296E-01	4.5830E-07	2.0596E+18	7.0959E+13
Cs-136	1.6471E-01	2.2473E-09	9.9513E+15	1.9730E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	3.4864E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.8900	Atmosphere	Sump
Noble gases (atoms)	3.1154E+22	0.0000E+00
Elemental I (atoms)	5.8850E+18	0.0000E+00
Organic I (atoms)	1.8201E+17	0.0000E+00
Aerosols (kg)	3.8100E-06	0.0000E+00

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Dose Effective (Ci/cc) I-131 (Thyroid) 1.9693E-06
 Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid) 2.4537E-06
 Total I (Ci) 8.7076E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 0.8900	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.8900	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (h) = 0.9000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.9000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.4959E-04	2.5272E-03	2.2957E-04
Accumulated dose (rem)	1.8679E+00	2.5423E+01	2.6758E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.9000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.5988E-05	6.0798E-04	5.5229E-05
Accumulated dose (rem)	8.3443E-01	1.1353E+01	1.1952E+00

Control Room Doses:

Time (h) = 0.9000	Whole Body	Thyroid	TEDE
Delta dose (rem)	8.8823E-05	3.0992E-02	1.0697E-03
Accumulated dose (rem)	1.4946E-02	4.5920E+00	1.6061E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.9000	Ci	kg	Atoms	Decay
Kr-85	3.4531E+03	8.8013E-03	6.2356E+22	4.2034E+17
Kr-85m	5.1416E+04	6.2477E-02	4.4264E+23	6.2588E+18
Kr-87	5.9835E+04	2.1124E-06	1.4622E+19	9.4347E+18
Kr-88	1.1035E+05	8.8007E-06	6.0226E+19	1.5045E+19
Rb-86	9.0788E-02	1.1158E-09	7.8132E+15	1.1059E+13
I-131	2.1025E+03	1.6959E-05	7.7961E+19	2.5635E+17
I-132	2.3098E+03	2.2378E-07	1.0209E+18	3.2361E+17
I-133	4.0912E+03	3.6115E-06	1.6353E+19	5.0566E+17
I-134	2.2669E+03	8.4976E-08	3.8189E+17	4.0430E+17
I-135	3.5954E+03	1.0238E-06	4.5669E+18	4.5927E+17
Xe-133	4.0299E+05	2.1529E-03	9.7483E+21	4.9178E+19
Xe-135	1.3685E+05	5.3587E-05	2.3904E+20	1.7237E+19
Cs-134	9.8031E+00	7.5768E-06	3.4051E+19	1.1933E+15
Cs-136	2.7230E+00	3.7153E-08	1.6452E+17	3.3180E+14
Cs-137	4.8166E+00	5.5375E-05	2.4341E+20	5.8632E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 0.9000 Atmosphere Sump
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Noble gases (atoms)	5.1506E+23	0.0000E+00	
Elemental I (atoms)	9.7275E+19	0.0000E+00	
Organic I (atoms)	3.0085E+18	0.0000E+00	
Aerosols (kg)	6.2990E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.8643E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.3225E-06
Total I (Ci)			1.4366E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 0.9000 Leakage Transport

Noble gases (atoms)	1.5741E+20
Elemental I (atoms)	2.9953E+16
Organic I (atoms)	9.2639E+14
Aerosols (kg)	1.9249E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 0.9000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 0.9000	Ci	kg	Atoms	Bq
Kr-85	1.1233E+03	2.8632E-03	2.0286E+22	4.1564E+13
Kr-85m	1.6727E+04	2.0325E-02	1.4400E+23	6.1888E+14
Kr-87	2.9617E+04	1.0456E-06	7.2376E+18	1.0958E+15
Kr-88	4.3320E+04	3.4548E-06	2.3642E+19	1.6029E+15
Rb-86	2.9570E-02	3.6341E-10	2.5448E+15	1.0941E+09
I-131	6.8586E+02	5.5323E-06	2.5432E+19	2.5377E+13
I-132	9.4766E+02	9.1808E-08	4.1885E+17	3.5063E+13
I-133	1.3655E+03	1.2054E-06	5.4581E+18	5.0524E+13
I-134	1.3558E+03	5.0823E-08	2.2841E+17	5.0165E+13
I-135	1.2680E+03	3.6105E-07	1.6106E+18	4.6914E+13
Xe-133	1.3165E+05	7.0333E-04	3.1846E+21	4.8711E+15
Xe-135	4.7147E+04	1.8462E-05	8.2357E+19	1.7445E+15
Cs-134	3.1892E+00	2.4649E-06	1.1078E+19	1.1800E+11
Cs-136	8.8735E-01	1.2107E-08	5.3611E+16	3.2832E+10
Cs-137	1.5669E+00	1.8014E-05	7.9186E+19	5.7976E+10

Environment Transport Group Inventory:

Time (h) = 0.9000	Total Release	Release Rate/s	
Noble gases (atoms)	1.6758E+23	5.1724E+19	
Elemental I (atoms)	3.2154E+19	9.9240E+15	
Organic I (atoms)	9.9444E+17	3.0693E+14	
Aerosols (kg)	2.0492E-05	6.3246E-09	
Dose Effective (Ci) I-131 (Thyroid)			9.5686E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2137E+03
Total I (Ci)			5.6228E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 0.9000 Leakage Transport

Noble gases (atoms)	1.5741E+20
Elemental I (atoms)	2.9953E+16
Organic I (atoms)	9.2639E+14
Aerosols (kg)	1.9249E-08

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Normal Environment to Control Room Transport Group Inventory:

Time (h) = 0.9000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.9654E+18
Elemental I (atoms)	0.0000E+00	1.1459E+15
Organic I (atoms)	0.0000E+00	3.5439E+13
Aerosols (kg)	0.0000E+00	7.2943E-10

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 0.9000	Pathway	
	Filtered	Transported
Noble gases (atoms)	4.1498E+18	0.0000E+00
Elemental I (atoms)	7.9161E+14	0.0000E+00
Organic I (atoms)	2.4483E+13	0.0000E+00
Aerosols (kg)	5.0746E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.9000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.9000	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	2.5272E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	3.7631E+17
Kr-87	3.6192E+03	1.2777E-07	8.8444E+17	5.6647E+17
Kr-88	6.6749E+03	5.3232E-07	3.6429E+18	9.0405E+17
Rb-86	5.4914E-03	6.7490E-11	4.7259E+14	6.6493E+11
I-131	1.2717E+02	1.0258E-06	4.7156E+18	1.5413E+16
I-132	1.3971E+02	1.3535E-08	6.1752E+16	1.9442E+16
I-133	2.4746E+02	2.1845E-07	9.8912E+17	3.0400E+16
I-134	1.3712E+02	5.1399E-09	2.3099E+16	2.4258E+16
I-135	2.1747E+02	6.1925E-08	2.7624E+17	2.7606E+16
Xe-133	2.4375E+04	1.3022E-04	5.8964E+20	2.9567E+18
Xe-135	8.2774E+03	3.2413E-06	1.4459E+19	1.0362E+18
Cs-134	5.9296E-01	4.5830E-07	2.0596E+18	7.1749E+13
Cs-136	1.6471E-01	2.2473E-09	9.9511E+15	1.9949E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	3.5252E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.9000	Atmosphere	Sump	
Noble gases (atoms)	3.1154E+22	0.0000E+00	
Elemental I (atoms)	5.8838E+18	0.0000E+00	
Organic I (atoms)	1.8197E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.9690E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.4528E-06
Total I (Ci)			8.6894E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.9000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19

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Organic I (atoms) 0.0000E+00 1.1808E+18
 Aerosols (kg) 0.0000E+00 2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.9000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.9100

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.9100	whole Body	Thyroid	TEDE
Delta dose (rem)	1.4920E-04	2.5268E-03	2.2916E-04
Accumulated dose (rem)	1.8680E+00	2.5426E+01	2.6760E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.9100	whole Body	Thyroid	TEDE
Delta dose (rem)	3.5893E-05	6.0788E-04	5.5131E-05
Accumulated dose (rem)	8.3447E-01	1.1353E+01	1.1953E+00

Control Room Doses:

Time (h) = 0.9100	whole Body	Thyroid	TEDE
Delta dose (rem)	8.7484E-05	3.0600E-02	1.0559E-03
Accumulated dose (rem)	1.5033E-02	4.6226E+00	1.6167E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.9100	Ci	kg	Atoms	Decay
Kr-85	3.4530E+03	8.8013E-03	6.2356E+22	4.2494E+17
Kr-85m	5.1415E+04	6.2477E-02	4.4264E+23	6.3273E+18
Kr-87	5.9510E+04	2.1009E-06	1.4543E+19	9.5142E+18
Kr-88	1.1008E+05	8.7792E-06	6.0079E+19	1.5192E+19
Rb-86	9.0786E-02	1.1158E-09	7.8131E+15	1.1180E+13
I-131	2.1024E+03	1.6958E-05	7.7958E+19	2.5915E+17
I-132	2.3029E+03	2.2310E-07	1.0178E+18	3.2668E+17
I-133	4.0898E+03	3.6103E-06	1.6347E+19	5.1111E+17
I-134	2.2490E+03	8.4306E-08	3.7888E+17	4.0731E+17
I-135	3.5916E+03	1.0227E-06	4.5621E+18	4.6406E+17
Xe-133	4.0296E+05	2.1528E-03	9.7477E+21	4.9714E+19
Xe-135	1.3674E+05	5.3547E-05	2.3887E+20	1.7419E+19
Cs-134	9.8031E+00	7.5768E-06	3.4051E+19	1.2064E+15
Cs-136	2.7229E+00	3.7152E-08	1.6451E+17	3.3543E+14
Cs-137	4.8166E+00	5.5374E-05	2.4341E+20	5.9273E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 0.9100	Atmosphere	Sump
Noble gases (atoms)	5.1506E+23	0.0000E+00
Elemental I (atoms)	9.7256E+19	0.0000E+00
Organic I (atoms)	3.0079E+18	0.0000E+00
Aerosols (kg)	6.2989E-05	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.8640E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		2.3216E-06
Total I (Ci)		1.4336E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.9100 Leakage Transport

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Noble gases (atoms) 1.5955E+20
 Elemental I (atoms) 3.0359E+16
 Organic I (atoms) 9.3893E+14
 Aerosols (kg) 1.9511E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 0.9100	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 0.9100	Ci	kg	Atoms	Bq
Kr-85	1.1234E+03	2.8633E-03	2.0286E+22	4.1564E+13
Kr-85m	1.6727E+04	2.0325E-02	1.4400E+23	6.1889E+14
Kr-87	2.9617E+04	1.0456E-06	7.2376E+18	1.0958E+15
Kr-88	4.3321E+04	3.4548E-06	2.3643E+19	1.6029E+15
Rb-86	2.9570E-02	3.6342E-10	2.5448E+15	1.0941E+09
I-131	6.8587E+02	5.5324E-06	2.5433E+19	2.5377E+13
I-132	9.4767E+02	9.1809E-08	4.1885E+17	3.5064E+13
I-133	1.3655E+03	1.2054E-06	5.4581E+18	5.0525E+13
I-134	1.3558E+03	5.0824E-08	2.2841E+17	5.0165E+13
I-135	1.2680E+03	3.6105E-07	1.6106E+18	4.6915E+13
Xe-133	1.3165E+05	7.0334E-04	3.1847E+21	4.8711E+15
Xe-135	4.7148E+04	1.8462E-05	8.2358E+19	1.7445E+15
Cs-134	3.1893E+00	2.4650E-06	1.1078E+19	1.1800E+11
Cs-136	8.8736E-01	1.2107E-08	5.3612E+16	3.2832E+10
Cs-137	1.5669E+00	1.8015E-05	7.9187E+19	5.7977E+10

Environment Transport Group Inventory:

Time (h) = 0.9100	Total Release	Release Rate/s	
Noble gases (atoms)	1.6759E+23	5.1156E+19	
Elemental I (atoms)	3.2154E+19	9.8151E+15	
Organic I (atoms)	9.9446E+17	3.0356E+14	
Aerosols (kg)	2.0492E-05	6.2552E-09	
Dose Effective (Ci) I-131 (Thyroid)			9.5687E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2137E+03
Total I (Ci)			5.6229E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.9100 Leakage Transport

Noble gases (atoms) 1.5955E+20
 Elemental I (atoms) 3.0359E+16
 Organic I (atoms) 9.3893E+14
 Aerosols (kg) 1.9511E-08

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 0.9100	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.9716E+18
Elemental I (atoms)	0.0000E+00	1.1470E+15
Organic I (atoms)	0.0000E+00	3.5476E+13
Aerosols (kg)	0.0000E+00	7.3019E-10

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Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 0.9100	Pathway	
	Filtered	Transported
Noble gases (atoms)	4.1782E+18	0.0000E+00
Elemental I (atoms)	7.9697E+14	0.0000E+00
Organic I (atoms)	2.4648E+13	0.0000E+00
Aerosols (kg)	5.1093E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.9100	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.9100	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	2.5551E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	3.8045E+17
Kr-87	3.5996E+03	1.2708E-07	8.7963E+17	5.7127E+17
Kr-88	6.6586E+03	5.3102E-07	3.6340E+18	9.1293E+17
Rb-86	5.4914E-03	6.7488E-11	4.7259E+14	6.7224E+11
I-131	1.2717E+02	1.0257E-06	4.7154E+18	1.5582E+16
I-132	1.3929E+02	1.3495E-08	6.1566E+16	1.9628E+16
I-133	2.4738E+02	2.1838E-07	9.8879E+17	3.0730E+16
I-134	1.3604E+02	5.0994E-09	2.2918E+16	2.4440E+16
I-135	2.1724E+02	6.1860E-08	2.7595E+17	2.7896E+16
Xe-133	2.4374E+04	1.3022E-04	5.8961E+20	2.9892E+18
Xe-135	8.2713E+03	3.2389E-06	1.4448E+19	1.0472E+18
Cs-134	5.9296E-01	4.5830E-07	2.0596E+18	7.2538E+13
Cs-136	1.6470E-01	2.2472E-09	9.9508E+15	2.0169E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	3.5640E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.9100	Atmosphere	Sump	
Noble gases (atoms)	3.1154E+22	0.0000E+00	
Elemental I (atoms)	5.8827E+18	0.0000E+00	
Organic I (atoms)	1.8194E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.9686E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.4519E-06
Total I (Ci)			8.6712E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.9100	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.9100	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18

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Aerosols (kg) 0.0000E+00 2.3498E-05

Detailed model information at time (H) = 0.9200

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.9200	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.4881E-04	2.5264E-03	2.2876E-04
Accumulated dose (rem)	1.8682E+00	2.5428E+01	2.6763E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.9200	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.5799E-05	6.0778E-04	5.5033E-05
Accumulated dose (rem)	8.3450E-01	1.1354E+01	1.1953E+00

Control Room Doses:

Time (h) = 0.9200	Whole Body	Thyroid	TEDE
Delta dose (rem)	8.6170E-05	3.0214E-02	1.0423E-03
Accumulated dose (rem)	1.5119E-02	4.6528E+00	1.6271E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.9200	Ci	kg	Atoms	Decay
Kr-85	3.4530E+03	8.8012E-03	6.2356E+22	4.2954E+17
Kr-85m	5.1415E+04	6.2476E-02	4.4264E+23	6.3958E+18
Kr-87	5.9186E+04	2.0895E-06	1.4463E+19	9.5932E+18
Kr-88	1.0982E+05	8.7577E-06	5.9932E+19	1.5339E+19
Rb-86	9.0784E-02	1.1157E-09	7.8129E+15	1.1301E+13
I-131	2.1023E+03	1.6958E-05	7.7955E+19	2.6195E+17
I-132	2.2959E+03	2.2243E-07	1.0148E+18	3.2974E+17
I-133	4.0884E+03	3.6091E-06	1.6342E+19	5.1656E+17
I-134	2.2313E+03	8.3642E-08	3.7590E+17	4.1029E+17
I-135	3.5878E+03	1.0216E-06	4.5573E+18	4.6884E+17
Xe-133	4.0294E+05	2.1527E-03	9.7471E+21	5.0251E+19
Xe-135	1.3664E+05	5.3507E-05	2.3869E+20	1.7601E+19
Cs-134	9.8030E+00	7.5767E-06	3.4051E+19	1.2195E+15
Cs-136	2.7229E+00	3.7151E-08	1.6451E+17	3.3906E+14
Cs-137	4.8165E+00	5.5374E-05	2.4341E+20	5.9915E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 0.9200	Atmosphere	Sump	
Noble gases (atoms)	5.1505E+23	0.0000E+00	
Elemental I (atoms)	9.7237E+19	0.0000E+00	
Organic I (atoms)	3.0073E+18	0.0000E+00	
Aerosols (kg)	6.2989E-05	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.8637E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.3208E-06
Total I (Ci)			1.4306E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.9200 Leakage Transport

Noble gases (atoms)	1.6170E+20
Elemental I (atoms)	3.0764E+16
Organic I (atoms)	9.5146E+14
Aerosols (kg)	1.9774E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.9200	Pathway	
	Filtered	Transported

CRDA GAP MVP TRIP 10 MIN.o0

Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) =	0.9200				
		Ci	kg	Atoms	Bq
Kr-85		1.1234E+03	2.8633E-03	2.0286E+22	4.1565E+13
Kr-85m		1.6727E+04	2.0326E-02	1.4400E+23	6.1890E+14
Kr-87		2.9618E+04	1.0456E-06	7.2377E+18	1.0958E+15
Kr-88		4.3321E+04	3.4549E-06	2.3643E+19	1.6029E+15
Rb-86		2.9571E-02	3.6342E-10	2.5449E+15	1.0941E+09
I-131		6.8588E+02	5.5324E-06	2.5433E+19	2.5378E+13
I-132		9.4768E+02	9.1810E-08	4.1886E+17	3.5064E+13
I-133		1.3655E+03	1.2055E-06	5.4582E+18	5.0525E+13
I-134		1.3558E+03	5.0824E-08	2.2841E+17	5.0165E+13
I-135		1.2680E+03	3.6106E-07	1.6106E+18	4.6916E+13
Xe-133		1.3165E+05	7.0335E-04	3.1847E+21	4.8712E+15
Xe-135		4.7149E+04	1.8463E-05	8.2359E+19	1.7445E+15
Cs-134		3.1893E+00	2.4650E-06	1.1078E+19	1.1800E+11
Cs-136		8.8737E-01	1.2107E-08	5.3612E+16	3.2833E+10
Cs-137		1.5670E+00	1.8015E-05	7.9188E+19	5.7978E+10

Environment Transport Group Inventory:

Time (h) =	0.9200		
		Total Release	Release Rate/s
Noble gases (atoms)		1.6759E+23	5.0600E+19
Elemental I (atoms)		3.2155E+19	9.7085E+15
Organic I (atoms)		9.9447E+17	3.0026E+14
Aerosols (kg)		2.0492E-05	6.1873E-09
Dose Effective (Ci) I-131 (Thyroid)			9.5688E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2137E+03
Total I (Ci)			5.6229E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 0.9200 Leakage Transport

Noble gases (atoms)	1.6170E+20
Elemental I (atoms)	3.0764E+16
Organic I (atoms)	9.5146E+14
Aerosols (kg)	1.9774E-08

Normal Environment to Control Room Transport Group Inventory:

Time (h) =	0.9200		
		Pathway Filtered	Transported
Noble gases (atoms)		0.0000E+00	5.9779E+18
Elemental I (atoms)		0.0000E+00	1.1482E+15
Organic I (atoms)		0.0000E+00	3.5512E+13
Aerosols (kg)		0.0000E+00	7.3095E-10

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) =	0.9200		
		Pathway Filtered	Transported
Noble gases (atoms)		4.2062E+18	0.0000E+00
Elemental I (atoms)		8.0225E+14	0.0000E+00
Organic I (atoms)		2.4812E+13	0.0000E+00
Aerosols (kg)		5.1435E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

CRDA GAP MVP TRIP 10 MIN.o0

	Pathway	
	Filtered	Transported
Time (h) = 0.9200		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.9200	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	2.5829E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	3.8459E+17
Kr-87	3.5800E+03	1.2639E-07	8.7485E+17	5.7605E+17
Kr-88	6.6424E+03	5.2973E-07	3.6251E+18	9.2179E+17
Rb-86	5.4913E-03	6.7487E-11	4.7258E+14	6.7956E+11
I-131	1.2716E+02	1.0257E-06	4.7152E+18	1.5752E+16
I-132	1.3888E+02	1.3454E-08	6.1381E+16	1.9813E+16
I-133	2.4730E+02	2.1830E-07	9.8847E+17	3.1059E+16
I-134	1.3496E+02	5.0593E-09	2.2737E+16	2.4621E+16
I-135	2.1702E+02	6.1795E-08	2.7566E+17	2.8185E+16
Xe-133	2.4373E+04	1.3021E-04	5.8958E+20	3.0216E+18
Xe-135	8.2651E+03	3.2365E-06	1.4437E+19	1.0582E+18
Cs-134	5.9296E-01	4.5830E-07	2.0596E+18	7.3328E+13
Cs-136	1.6470E-01	2.2472E-09	9.9506E+15	2.0388E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	3.6028E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.9200	Atmosphere	Sump	
Noble gases (atoms)	3.1154E+22	0.0000E+00	
Elemental I (atoms)	5.8816E+18	0.0000E+00	
Organic I (atoms)	1.8190E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.9683E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.4510E-06
Total I (Ci)			8.6532E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 0.9200		
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 0.9200		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.9300

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.9300	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.4842E-04	2.5259E-03	2.2835E-04
Accumulated dose (rem)	1.8683E+00	2.5431E+01	2.6765E+00

CRDA GAP MVP TRIP 10 MIN TSC.o0

	Pathway	Filtered	Transported
Time (h) = 168.0000			
Noble gases (atoms)		3.5627E+18	0.0000E+00
Elemental I (atoms)		6.2074E+14	0.0000E+00
Organic I (atoms)		1.9198E+13	0.0000E+00
Aerosols (kg)		4.3614E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	Filtered	Transported
Time (h) = 168.0000			
Noble gases (atoms)		0.0000E+00	1.9217E+23
Elemental I (atoms)		0.0000E+00	3.6947E+19
Organic I (atoms)		0.0000E+00	1.1427E+18
Aerosols (kg)		0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 168.0000	Ci	kg	Atoms	Decay
Kr-85	2.0861E+02	5.3171E-04	3.7671E+21	4.6712E+18
Kr-85m	3.1019E+03	3.7693E-03	2.6705E+22	6.9508E+19
Rb-86	4.2400E-03	5.2109E-11	3.6489E+14	1.0837E+14
I-131	6.9776E+01	5.6282E-07	2.5873E+18	2.1437E+18
I-133	9.4436E-01	8.3364E-10	3.7747E+15	1.0157E+18
I-135	5.3383E-06	1.5201E-15	6.7808E+09	3.0384E+17
Xe-133	9.7317E+03	5.1991E-05	2.3541E+20	3.5814E+20
Xe-135	2.5687E-02	1.0059E-11	4.4870E+13	1.5730E+19
Cs-134	5.8917E-01	4.5537E-07	2.0465E+18	1.3227E+16
Cs-136	1.1395E-01	1.5548E-09	6.8846E+15	3.0865E+15
Cs-137	2.9121E-01	3.3479E-06	1.4717E+19	6.5184E+15

MVP Holdup Transport Group Inventory:

Time (h) = 168.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0707E+22	0.0000E+00	
Elemental I (atoms)	2.5134E+18	0.0000E+00	
Organic I (atoms)	7.7733E+16	0.0000E+00	
Aerosols (kg)	3.8049E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			7.8402E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			7.8508E-07
Total I (Ci)			7.0720E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	Filtered	Transported
Time (h) = 168.0000			
Noble gases (atoms)		0.0000E+00	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18
Aerosols (kg)		0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	Filtered	Transported
Time (h) = 168.0000			
Noble gases (atoms)		0.0000E+00	1.9217E+23
Elemental I (atoms)		0.0000E+00	3.6947E+19
Organic I (atoms)		0.0000E+00	1.1427E+18
Aerosols (kg)		0.0000E+00	2.3498E-05

Detailed model information at time (H) = 192.0000

CRDA @ EAB - Condenser Release Doses:

CRDA GAP MVP TRIP 10 MIN TSC.o0
 Time (h) = 192.0000 Whole Body Thyroid TEDE
 Delta dose (rem) 0.0000E+00 0.0000E+00 0.0000E+00
 Accumulated dose (rem) 1.9215E+00 2.7399E+01 2.7913E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 192.0000 Whole Body Thyroid TEDE
 Delta dose (rem) 0.0000E+00 0.0000E+00 0.0000E+00
 Accumulated dose (rem) 8.4496E-01 1.1721E+01 1.2173E+00

TSC Doses:

Time (h) = 192.0000 Whole Body Thyroid TEDE
 Delta dose (rem) 5.9348E-55 2.8787E-51 8.9640E-53
 Accumulated dose (rem) 1.8388E-02 1.6201E+01 5.2669E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 192.0000	Ci	kg	Atoms	Decay
Kr-85	3.4152E+03	8.7047E-03	6.1672E+22	8.7463E+19
Kr-85m	5.0773E+04	6.1696E-02	4.3711E+23	1.3013E+21
Rb-86	6.6895E-02	8.2213E-10	5.7570E+15	1.9937E+15
I-131	1.0481E+03	8.4545E-06	3.8866E+19	3.8634E+19
I-133	6.9495E+00	6.1348E-09	2.7778E+16	1.6721E+19
I-135	7.0561E-06	2.0092E-15	8.9628E+09	5.0094E+18
Xe-133	1.3962E+05	7.4592E-04	3.3775E+21	6.3478E+21
Xe-135	6.7481E-02	2.6425E-11	1.1788E+14	2.5904E+20
Cs-134	9.6383E+00	7.4494E-06	3.3479E+19	2.4757E+17
Cs-136	1.7697E+00	2.4146E-08	1.0692E+17	5.6392E+16
Cs-137	4.7680E+00	5.4816E-05	2.4096E+20	1.2205E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 192.0000	Atmosphere	Sump	
Noble gases (atoms)	5.0216E+23	0.0000E+00	
Elemental I (atoms)	3.7727E+19	0.0000E+00	
Organic I (atoms)	1.1668E+18	0.0000E+00	
Aerosols (kg)	6.2291E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			6.7374E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			6.7419E-07
Total I (Ci)			1.0551E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 192.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 192.0000	Pathway	Transported
Noble gases (atoms)	Filtered	1.9857E+23
Elemental I (atoms)		3.8180E+19
Organic I (atoms)		1.1808E+18
Aerosols (kg)		2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 192.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14

	CRDA GAP	MVP TRIP 10	MIN TSC.o0	
Kr-87	2.9661E+04	1.0471E-06	7.2483E+18	1.0975E+15
Kr-88	4.3504E+04	3.4694E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5078E+02	9.2110E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3569E+03	5.0865E-08	2.2860E+17	5.0206E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

	Total Release	Release Rate/s	
Time (h) = 192.0000			
Noble gases (atoms)	1.7251E+23	2.4958E+17	
Elemental I (atoms)	3.2971E+19	4.7701E+13	
Organic I (atoms)	1.0197E+18	1.4753E+12	
Aerosols (kg)	2.1095E-05	3.0519E-11	
Dose Effective (Ci) I-131 (Thyroid)			9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2414E+03
Total I (Ci)			5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 192.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16
Aerosols (kg)	6.2256E-07

Normal Environment to TSC Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 192.0000		
Noble gases (atoms)	0.0000E+00	3.5674E+18
Elemental I (atoms)	0.0000E+00	6.3179E+14
Organic I (atoms)	0.0000E+00	1.9540E+13
Aerosols (kg)	0.0000E+00	4.3664E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 192.0000		
Noble gases (atoms)	3.5627E+18	0.0000E+00
Elemental I (atoms)	6.2074E+14	0.0000E+00
Organic I (atoms)	1.9198E+13	0.0000E+00
Aerosols (kg)	4.3614E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 192.0000		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

	CRDA	GAP	MVP	TRIP	10	MIN	TSC.o0	
Time (h) = 192.0000	Ci		kg			Atoms		Decay
Kr-85	2.0857E+02		5.3161E-04			3.7664E+21		5.3381E+18
Kr-85m	3.1008E+03		3.7679E-03			2.6695E+22		7.9422E+19
Rb-86	4.0854E-03		5.0209E-11			3.5159E+14		1.2167E+14
I-131	6.4012E+01		5.1633E-07			2.3736E+18		2.3574E+18
I-133	4.2442E-01		3.7466E-10			1.6964E+15		1.0178E+18
I-135	4.3092E-07		1.2271E-16			5.4737E+08		3.0384E+17
Xe-133	8.5270E+03		4.5555E-05			2.0627E+20		3.8729E+20
Xe-135	4.1212E-03		1.6138E-12			7.1989E+12		1.5730E+19
Cs-134	5.8863E-01		4.5495E-07			2.0446E+18		1.5110E+16
Cs-136	1.0808E-01		1.4746E-09			6.5297E+15		3.4413E+15
Cs-137	2.9119E-01		3.3477E-06			1.4716E+19		7.4493E+15

MVP Holdup Transport Group Inventory:

Time (h) = 192.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0668E+22	0.0000E+00	
Elemental I (atoms)	2.3040E+18	0.0000E+00	
Organic I (atoms)	7.1259E+16	0.0000E+00	
Aerosols (kg)	3.8042E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		7.1843E-07
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		7.1891E-07
Total I (Ci)			6.4436E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 192.0000	Pathway	Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18
Aerosols (kg)		0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 192.0000	Pathway	Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9217E+23
Elemental I (atoms)		0.0000E+00	3.6947E+19
Organic I (atoms)		0.0000E+00	1.1427E+18
Aerosols (kg)		0.0000E+00	2.3498E-05

Detailed model information at time (H) = 216.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 216.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	1.9215E+00	2.7399E+01	2.7913E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 216.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	8.4496E-01	1.1721E+01	1.2173E+00

TSC Doses:

Time (h) = 216.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.2372E-63	1.5153E-59	4.7258E-61
Accumulated dose (rem)	1.8388E-02	1.6201E+01	5.2669E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

	CRDA GAP	MVP TRIP 10	MIN TSC.o0	
Time (h) = 216.0000	Ci	kg	Atoms	Decay
Kr-85	3.4146E+03	8.7032E-03	6.1661E+22	9.8379E+19
Kr-85m	5.0754E+04	6.1673E-02	4.3694E+23	1.4636E+21
Rb-86	6.4456E-02	7.9216E-10	5.5471E+15	2.2037E+15
I-131	9.6157E+02	7.7562E-06	3.5655E+19	4.1844E+19
I-133	3.1233E+00	2.7571E-09	1.2484E+16	1.6736E+19
I-135	5.6959E-07	1.6219E-16	7.2351E+08	5.0094E+18
Xe-133	1.2234E+05	6.5359E-04	2.9594E+21	6.7660E+21
Xe-135	1.0825E-02	4.2390E-12	1.8910E+13	2.5904E+20
Cs-134	9.6294E+00	7.4426E-06	3.3448E+19	2.7837E+17
Cs-136	1.6785E+00	2.2902E-08	1.0141E+17	6.1902E+16
Cs-137	4.7677E+00	5.4813E-05	2.4094E+20	1.3730E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 216.0000	Atmosphere	Sump	
Noble gases (atoms)	5.0157E+23	0.0000E+00	
Elemental I (atoms)	3.4598E+19	0.0000E+00	
Organic I (atoms)	1.0700E+18	0.0000E+00	
Aerosols (kg)	6.2279E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			6.1774E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			6.1794E-07
Total I (Ci)			9.6469E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 216.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 216.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 216.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9661E+04	1.0471E-06	7.2483E+18	1.0975E+15
Kr-88	4.3504E+04	3.4694E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5078E+02	9.2110E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3569E+03	5.0865E-08	2.2860E+17	5.0206E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

Time (h) = 216.0000	Total Release	Release Rate/s
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Noble gases (atoms)	1.7251E+23	2.2185E+17	
Elemental I (atoms)	3.2971E+19	4.2401E+13	
Organic I (atoms)	1.0197E+18	1.3114E+12	
Aerosols (kg)	2.1095E-05	2.7128E-11	
Dose Effective (Ci) I-131 (Thyroid)			9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2414E+03
Total I (Ci)			5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 216.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16
Aerosols (kg)	6.2256E-07

Normal Environment to TSC Transport Group Inventory:

Time (h) = 216.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	3.5674E+18
Elemental I (atoms)	0.0000E+00	6.3179E+14
Organic I (atoms)	0.0000E+00	1.9540E+13
Aerosols (kg)	0.0000E+00	4.3664E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 216.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	3.5627E+18	0.0000E+00
Elemental I (atoms)	6.2074E+14	0.0000E+00
Organic I (atoms)	1.9198E+13	0.0000E+00
Aerosols (kg)	4.3614E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 216.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 216.0000	Ci	kg	Atoms	Decay
Kr-85	2.0853E+02	5.3152E-04	3.7657E+21	6.0048E+18
Kr-85m	3.0996E+03	3.7665E-03	2.6685E+22	8.9333E+19
Rb-86	3.9364E-03	4.8378E-11	3.3877E+14	1.3449E+14
I-131	5.8725E+01	4.7368E-07	2.1775E+18	2.5535E+18
I-133	1.9075E-01	1.6838E-10	7.6242E+14	1.0188E+18
I-135	3.4786E-08	9.9053E-18	4.4186E+07	3.0384E+17
Xe-133	7.4715E+03	3.9916E-05	1.8073E+20	4.1282E+20
Xe-135	6.6112E-04	2.5888E-13	1.1548E+12	1.5730E+19
Cs-134	5.8809E-01	4.5453E-07	2.0427E+18	1.6991E+16
Cs-136	1.0251E-01	1.3986E-09	6.1932E+15	3.7778E+15
Cs-137	2.9117E-01	3.3475E-06	1.4715E+19	8.3801E+15

MVP Holdup Transport Group Inventory:

Time (h) = 216.0000	Atmosphere	Sump
Noble gases (atoms)	3.0631E+22	0.0000E+00
Elemental I (atoms)	2.1130E+18	0.0000E+00
Organic I (atoms)	6.5349E+16	0.0000E+00

CRDA GAP MVP TRIP 10 MIN TSC.o0

Aerosols (kg)	3.8035E-06	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		6.5872E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		6.5893E-07
Total I (Ci)		5.8915E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 216.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 216.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 240.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 240.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	1.9215E+00	2.7399E+01	2.7913E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 240.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	8.4496E-01	1.1721E+01	1.2173E+00

TSC Doses:

Time (h) = 240.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.7731E-71	7.9810E-68	2.4933E-69
Accumulated dose (rem)	1.8388E-02	1.6201E+01	5.2669E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 240.0000	Ci	kg	Atoms	Decay
Kr-85	3.4140E+03	8.7017E-03	6.1650E+22	1.0929E+20
Kr-85m	5.0735E+04	6.1650E-02	4.3678E+23	1.6258E+21
Rb-86	6.2105E-02	7.6327E-10	5.3448E+15	2.4059E+15
I-131	8.8214E+02	7.1155E-06	3.2710E+19	4.4789E+19
I-133	1.4037E+00	1.2391E-09	5.6107E+15	1.6743E+19
I-135	4.5980E-08	1.3093E-17	5.8404E+07	5.0094E+18
Xe-133	1.0719E+05	5.7268E-04	2.5930E+21	7.1323E+21
Xe-135	1.7365E-03	6.7997E-13	3.0333E+12	2.5904E+20
Cs-134	9.6206E+00	7.4357E-06	3.3417E+19	3.0914E+17
Cs-136	1.5920E+00	2.1721E-08	9.6183E+16	6.7128E+16
Cs-137	4.7674E+00	5.4810E-05	2.4093E+20	1.5254E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 240.0000	Atmosphere	Sump
Noble gases (atoms)	5.0103E+23	0.0000E+00
Elemental I (atoms)	3.1734E+19	0.0000E+00
Organic I (atoms)	9.8148E+17	0.0000E+00

CRDA GAP MVP TRIP 10 MIN TSC.o0

Aerosols (kg) 6.2268E-05 0.0000E+00
 Dose Effective (Ci/cc) I-131 (Thyroid) 5.6656E-07
 Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid) 5.6665E-07
 Total I (Ci) 8.8355E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 240.0000 Leakage Transport

Noble gases (atoms) 5.0830E+21
 Elemental I (atoms) 8.5047E+17
 Organic I (atoms) 2.6303E+16
 Aerosols (kg) 6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 240.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 240.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9661E+04	1.0471E-06	7.2483E+18	1.0975E+15
Kr-88	4.3504E+04	3.4694E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5078E+02	9.2110E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3569E+03	5.0865E-08	2.2860E+17	5.0206E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

Time (h) = 240.0000	Total Release		Rate/s
	Release	Rate/s	
Noble gases (atoms)	1.7251E+23	1.9966E+17	
Elemental I (atoms)	3.2971E+19	3.8161E+13	
Organic I (atoms)	1.0197E+18	1.1802E+12	
Aerosols (kg)	2.1095E-05	2.4416E-11	
Dose Effective (Ci) I-131 (Thyroid)			9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2414E+03
Total I (Ci)			5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 240.0000 Leakage Transport

Noble gases (atoms) 5.0830E+21
 Elemental I (atoms) 8.5047E+17
 Organic I (atoms) 2.6303E+16
 Aerosols (kg) 6.2256E-07

Normal Environment to TSC Transport Group Inventory:

CRDA GAP MVP TRIP 10 MIN TSC.o0

	Pathway	
Time (h) = 240.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	3.5674E+18
Elemental I (atoms)	0.0000E+00	6.3179E+14
Organic I (atoms)	0.0000E+00	1.9540E+13
Aerosols (kg)	0.0000E+00	4.3664E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway	
Time (h) = 240.0000	Filtered	Transported
Noble gases (atoms)	3.5627E+18	0.0000E+00
Elemental I (atoms)	6.2074E+14	0.0000E+00
Organic I (atoms)	1.9198E+13	0.0000E+00
Aerosols (kg)	4.3614E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 240.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 240.0000	Ci	kg	Atoms	Decay
Kr-85	2.0850E+02	5.3142E-04	3.7651E+21	6.6713E+18
Kr-85m	3.0985E+03	3.7651E-03	2.6675E+22	9.9240E+19
Rb-86	3.7929E-03	4.6614E-11	3.2641E+14	1.4684E+14
I-131	5.3874E+01	4.3456E-07	1.9977E+18	2.7333E+18
I-133	8.5726E-02	7.5675E-11	3.4265E+14	1.0192E+18
I-135	2.8080E-09	7.9959E-19	3.5668E+06	3.0384E+17
Xe-133	6.5466E+03	3.4974E-05	1.5836E+20	4.3520E+20
Xe-135	1.0605E-04	4.1527E-14	1.8525E+11	1.5730E+19
Cs-134	5.8754E-01	4.5411E-07	2.0408E+18	1.8870E+16
Cs-136	9.7225E-02	1.3266E-09	5.8740E+15	4.0970E+15
Cs-137	2.9116E-01	3.3473E-06	1.4714E+19	9.3109E+15

MVP Holdup Transport Group Inventory:

Time (h) = 240.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0598E+22	0.0000E+00	
Elemental I (atoms)	1.9381E+18	0.0000E+00	
Organic I (atoms)	5.9940E+16	0.0000E+00	
Aerosols (kg)	3.8028E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			6.0414E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			6.0424E-07
Total I (Ci)			5.3960E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 240.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 240.0000	Filtered	Transported

CRDA GAP MVP TRIP 10 MIN TSC.o0

Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 264.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 264.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	1.9215E+00	2.7399E+01	2.7913E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 264.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	8.4496E-01	1.1721E+01	1.2173E+00

TSC Doses:

Time (h) = 264.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	9.7493E-80	4.2047E-76	1.3161E-77
Accumulated dose (rem)	1.8388E-02	1.6201E+01	5.2669E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 264.0000	Ci	kg	Atoms	Decay
Kr-85	3.4134E+03	8.7001E-03	6.1639E+22	1.2021E+20
Kr-85m	5.0716E+04	6.1627E-02	4.3662E+23	1.7880E+21
Rb-86	5.9841E-02	7.3544E-10	5.1499E+15	2.6008E+15
I-131	8.0928E+02	6.5278E-06	3.0008E+19	4.7491E+19
I-133	6.3085E-01	5.5689E-10	2.5216E+15	1.6746E+19
I-135	3.7116E-09	1.0569E-18	4.7146E+06	5.0094E+18
Xe-133	9.3925E+04	5.0178E-04	2.2720E+21	7.4533E+21
Xe-135	2.7854E-04	1.0907E-13	4.8655E+11	2.5904E+20
Cs-134	9.6117E+00	7.4289E-06	3.3386E+19	3.3988E+17
Cs-136	1.5099E+00	2.0602E-08	9.1226E+16	7.2085E+16
Cs-137	4.7671E+00	5.4806E-05	2.4091E+20	1.6778E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 264.0000	Atmosphere	Sump
Noble gases (atoms)	5.0053E+23	0.0000E+00
Elemental I (atoms)	2.9111E+19	0.0000E+00
Organic I (atoms)	9.0033E+17	0.0000E+00
Aerosols (kg)	6.2256E-05	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		5.1969E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		5.1973E-07
Total I (Ci)		8.0991E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 264.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 264.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23

	CRDA GAP	MVP TRIP 10	MIN TSC.o0
Elemental I (atoms)	0.0000E+00	3.8180E+19	
Organic I (atoms)	0.0000E+00	1.1808E+18	
Aerosols (kg)	0.0000E+00	2.4281E-05	

Environment Integral Nuclide Release:

Time (h) = 264.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9661E+04	1.0471E-06	7.2483E+18	1.0975E+15
Kr-88	4.3504E+04	3.4694E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5078E+02	9.2110E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3569E+03	5.0865E-08	2.2860E+17	5.0206E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

Time (h) = 264.0000	Total Release	Release Rate/s	
Noble gases (atoms)	1.7251E+23	1.8151E+17	
Elemental I (atoms)	3.2971E+19	3.4691E+13	
Organic I (atoms)	1.0197E+18	1.0729E+12	
Aerosols (kg)	2.1095E-05	2.2196E-11	
Dose Effective (Ci) I-131 (Thyroid)			9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2414E+03
Total I (Ci)			5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 264.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16
Aerosols (kg)	6.2256E-07

Normal Environment to TSC Transport Group Inventory:

Time (h) = 264.0000	Pathway	Transported
Noble gases (atoms)	Filtered	3.5674E+18
Elemental I (atoms)	0.0000E+00	6.3179E+14
Organic I (atoms)	0.0000E+00	1.9540E+13
Aerosols (kg)	0.0000E+00	4.3664E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 264.0000	Pathway	Transported
Noble gases (atoms)	Filtered	0.0000E+00
Elemental I (atoms)	6.2074E+14	0.0000E+00
Organic I (atoms)	1.9198E+13	0.0000E+00
Aerosols (kg)	4.3614E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

CRDA GAP MVP TRIP 10 MIN TSC.o0

	Pathway	Filtered	Transported
Time (h) = 264.0000			
Noble gases (atoms)		0.0000E+00	1.9217E+23
Elemental I (atoms)		0.0000E+00	3.6947E+19
Organic I (atoms)		0.0000E+00	1.1427E+18
Aerosols (kg)		0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 264.0000	Ci	kg	Atoms	Decay
Kr-85	2.0846E+02	5.3133E-04	3.7644E+21	7.3378E+18
Kr-85m	3.0973E+03	3.7637E-03	2.6665E+22	1.0914E+20
Rb-86	3.6546E-03	4.4914E-11	3.1451E+14	1.5875E+14
I-131	4.9424E+01	3.9866E-07	1.8327E+18	2.8983E+18
I-133	3.8527E-02	3.4010E-11	1.5400E+14	1.0194E+18
I-135	2.2668E-10	6.4546E-20	2.8793E+05	3.0384E+17
Xe-133	5.7362E+03	3.0645E-05	1.3876E+20	4.5480E+20
Xe-135	1.7011E-05	6.6611E-15	2.9714E+10	1.5730E+19
Cs-134	5.8700E-01	4.5370E-07	2.0390E+18	2.0747E+16
Cs-136	9.2214E-02	1.2582E-09	5.5713E+15	4.3997E+15
Cs-137	2.9114E-01	3.3471E-06	1.4713E+19	1.0242E+16

MVP Holdup Transport Group Inventory:

Time (h) = 264.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0568E+22	0.0000E+00	
Elemental I (atoms)	1.7778E+18	0.0000E+00	
Organic I (atoms)	5.4985E+16	0.0000E+00	
Aerosols (kg)	3.8021E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			5.5416E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			5.5421E-07
Total I (Ci)			4.9462E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	Filtered	Transported
Time (h) = 264.0000			
Noble gases (atoms)		0.0000E+00	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18
Aerosols (kg)		0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	Filtered	Transported
Time (h) = 264.0000			
Noble gases (atoms)		0.0000E+00	1.9217E+23
Elemental I (atoms)		0.0000E+00	3.6947E+19
Organic I (atoms)		0.0000E+00	1.1427E+18
Aerosols (kg)		0.0000E+00	2.3498E-05

Detailed model information at time (H) = 288.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 288.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	1.9215E+00	2.7399E+01	2.7913E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 288.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	8.4496E-01	1.1721E+01	1.2173E+00

CRDA GAP MVP TRIP 10 MIN TSC.o0

TSC Doses:

Time (h) = 288.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	5.3803E-88	2.2155E-84	6.9492E-86
Accumulated dose (rem)	1.8388E-02	1.6201E+01	5.2669E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 288.0000	Ci	kg	Atoms	Decay
Kr-85	3.4128E+03	8.6986E-03	6.1628E+22	1.3112E+20
Kr-85m	5.0697E+04	6.1604E-02	4.3646E+23	1.9501E+21
Rb-86	5.7659E-02	7.0862E-10	4.9621E+15	2.7886E+15
I-131	7.4243E+02	5.9886E-06	2.7530E+19	4.9970E+19
I-133	2.8352E-01	2.5028E-10	1.1333E+15	1.6747E+19
I-135	2.9962E-10	8.5316E-20	3.8058E+05	5.0094E+18
Xe-133	8.2298E+04	4.3967E-04	1.9908E+21	7.7346E+21
Xe-135	4.4678E-05	1.7495E-14	7.8043E+10	2.5904E+20
Cs-134	9.6029E+00	7.4221E-06	3.3356E+19	3.7059E+17
Cs-136	1.4321E+00	1.9540E-08	8.6524E+16	7.6787E+16
Cs-137	4.7668E+00	5.4803E-05	2.4090E+20	1.8302E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 288.0000	Atmosphere	Sump
Noble gases (atoms)	5.0008E+23	0.0000E+00
Elemental I (atoms)	2.6705E+19	0.0000E+00
Organic I (atoms)	8.2593E+17	0.0000E+00
Aerosols (kg)	6.2245E-05	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		4.7673E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		4.7675E-07
Total I (Ci)		7.4271E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 288.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 288.0000	Pathway	Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18
Aerosols (kg)		0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 288.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9661E+04	1.0471E-06	7.2483E+18	1.0975E+15
Kr-88	4.3504E+04	3.4694E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5078E+02	9.2110E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3569E+03	5.0865E-08	2.2860E+17	5.0206E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15

	CRDA GAP	MVP TRIP 10	MIN TSC.o0	
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

	Total Release	Release Rate/s	
Time (h) = 288.0000			
Noble gases (atoms)	1.7251E+23	1.6639E+17	
Elemental I (atoms)	3.2971E+19	3.1800E+13	
Organic I (atoms)	1.0197E+18	9.8352E+11	
Aerosols (kg)	2.1095E-05	2.0346E-11	
Dose Effective (Ci) I-131 (Thyroid)			9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2414E+03
Total I (Ci)			5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 288.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16
Aerosols (kg)	6.2256E-07

Normal Environment to TSC Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 288.0000		
Noble gases (atoms)	0.0000E+00	3.5674E+18
Elemental I (atoms)	0.0000E+00	6.3179E+14
Organic I (atoms)	0.0000E+00	1.9540E+13
Aerosols (kg)	0.0000E+00	4.3664E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 288.0000		
Noble gases (atoms)	3.5627E+18	0.0000E+00
Elemental I (atoms)	6.2074E+14	0.0000E+00
Organic I (atoms)	1.9198E+13	0.0000E+00
Aerosols (kg)	4.3614E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 288.0000		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 288.0000	Ci	kg	Atoms	Decay
Kr-85	2.0842E+02	5.3124E-04	3.7637E+21	8.0041E+18
Kr-85m	3.0962E+03	3.7623E-03	2.6655E+22	1.1904E+20
Rb-86	3.5213E-03	4.3277E-11	3.0304E+14	1.7022E+14
I-131	4.5341E+01	3.6573E-07	1.6813E+18	3.0497E+18
I-133	1.7315E-02	1.5285E-11	6.9210E+13	1.0195E+18
I-135	1.8298E-11	5.2104E-21	2.3243E+04	3.0384E+17
Xe-133	5.0261E+03	2.6851E-05	1.2158E+20	4.7198E+20
Xe-135	2.7285E-06	1.0685E-15	4.7662E+09	1.5730E+19

	CRDA	GAP	MVP	TRIP	10	MIN	TSC.o0
Cs-134	5.8646E-01	4.5328E-07	2.0371E+18	2.2623E+16			
Cs-136	8.7462E-02	1.1933E-09	5.2842E+15	4.6868E+15			
Cs-137	2.9112E-01	3.3469E-06	1.4712E+19	1.1172E+16			

MVP Holdup Transport Group Inventory:

Time (h) = 288.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0541E+22	0.0000E+00	
Elemental I (atoms)	1.6309E+18	0.0000E+00	
Organic I (atoms)	5.0441E+16	0.0000E+00	
Aerosols (kg)	3.8014E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			5.0836E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			5.0838E-07
Total I (Ci)			4.5359E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 288.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 288.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 312.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 312.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	1.9215E+00	2.7399E+01	2.7913E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 312.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	8.4496E-01	1.1721E+01	1.2173E+00

TSC Doses:

Time (h) = 312.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	2.9795E-96	1.1674E-92	3.6703E-94
Accumulated dose (rem)	1.8388E-02	1.6201E+01	5.2669E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 312.0000	Ci	kg	Atoms	Decay
Kr-85	3.4121E+03	8.6970E-03	6.1617E+22	1.4203E+20
Kr-85m	5.0679E+04	6.1581E-02	4.3630E+23	2.1121E+21
Rb-86	5.5556E-02	6.8278E-10	4.7812E+15	2.9696E+15
I-131	6.8111E+02	5.4939E-06	2.5256E+19	5.2244E+19
I-133	1.2742E-01	1.1248E-10	5.0932E+14	1.6748E+19
I-135	2.4186E-11	6.8870E-21	3.0722E+04	5.0094E+18
Xe-133	7.2110E+04	3.8524E-04	1.7443E+21	7.9810E+21
Xe-135	7.1663E-06	2.8062E-15	1.2518E+10	2.5904E+20

	CRDA	GAP	MVP	TRIP	10	MIN	TSC.o0
Cs-134	9.5941E+00	7.4152E-06	3.3325E+19	4.0128E+17			
Cs-136	1.3583E+00	1.8533E-08	8.2065E+16	8.1246E+16			
Cs-137	4.7665E+00	5.4799E-05	2.4088E+20	1.9825E+17			

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 312.0000	Atmosphere	Sump	
Noble gases (atoms)	4.9966E+23	0.0000E+00	
Elemental I (atoms)	2.4499E+19	0.0000E+00	
Organic I (atoms)	7.5769E+17	0.0000E+00	
Aerosols (kg)	6.2234E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			4.3734E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			4.3735E-07
Total I (Ci)			6.8123E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 312.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 312.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 312.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9661E+04	1.0471E-06	7.2483E+18	1.0975E+15
Kr-88	4.3504E+04	3.4694E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5078E+02	9.2110E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3569E+03	5.0865E-08	2.2860E+17	5.0206E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

Time (h) = 312.0000	Total Release	Release Rate/s	
Noble gases (atoms)	1.7251E+23	1.5359E+17	
Elemental I (atoms)	3.2971E+19	2.9354E+13	
Organic I (atoms)	1.0197E+18	9.0786E+11	
Aerosols (kg)	2.1095E-05	1.8781E-11	
Dose Effective (Ci) I-131 (Thyroid)			9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2414E+03
Total I (Ci)			5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

CRDA GAP MVP TRIP 10 MIN TSC.o0

Time (h) = 312.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16
Aerosols (kg)	6.2256E-07

Normal Environment to TSC Transport Group Inventory:

Time (h) = 312.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	3.5674E+18
Elemental I (atoms)	0.0000E+00	6.3179E+14
Organic I (atoms)	0.0000E+00	1.9540E+13
Aerosols (kg)	0.0000E+00	4.3664E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 312.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	3.5627E+18	0.0000E+00
Elemental I (atoms)	6.2074E+14	0.0000E+00
Organic I (atoms)	1.9198E+13	0.0000E+00
Aerosols (kg)	4.3614E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 312.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 312.0000	Ci	kg	Atoms	Decay
Kr-85	2.0839E+02	5.3114E-04	3.7631E+21	8.6704E+18
Kr-85m	3.0950E+03	3.7609E-03	2.6645E+22	1.2894E+20
Rb-86	3.3929E-03	4.1699E-11	2.9199E+14	1.8127E+14
I-131	4.1596E+01	3.3552E-07	1.5424E+18	3.1886E+18
I-133	7.7819E-03	6.8695E-12	3.1105E+13	1.0195E+18
Xe-133	4.4039E+03	2.3527E-05	1.0653E+20	4.8703E+20
Xe-135	4.3766E-07	1.7138E-16	7.6450E+08	1.5730E+19
Cs-134	5.8592E-01	4.5286E-07	2.0352E+18	2.4497E+16
Cs-136	8.2954E-02	1.1318E-09	5.0119E+15	4.9592E+15
Cs-137	2.9110E-01	3.3467E-06	1.4711E+19	1.2103E+16

MVP Holdup Transport Group Inventory:

Time (h) = 312.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0515E+22	0.0000E+00	
Elemental I (atoms)	1.4962E+18	0.0000E+00	
Organic I (atoms)	4.6273E+16	0.0000E+00	
Aerosols (kg)	3.8007E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		4.6635E-07
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		4.6636E-07
Total I (Ci)			4.1604E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 312.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23

	CRDA GAP MVP TRIP 10 MIN TSC.o0	
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 312.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 336.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 336.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	1.9215E+00	2.7399E+01	2.7913E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 336.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	8.4496E-01	1.1721E+01	1.2173E+00

TSC Doses:

Time (h) = 336.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.6554-104	6.1521-101	1.9390-102
Accumulated dose (rem)	1.8388E-02	1.6201E+01	5.2669E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 336.0000	Ci	kg	Atoms	Decay
Kr-85	3.4115E+03	8.6955E-03	6.1606E+22	1.5293E+20
Kr-85m	5.0660E+04	6.1559E-02	4.3613E+23	2.2741E+21
Rb-86	5.3530E-02	6.5788E-10	4.6068E+15	3.1439E+15
I-131	6.2485E+02	5.0401E-06	2.3170E+19	5.4330E+19
I-133	5.7267E-02	5.0553E-11	2.2890E+14	1.6748E+19
Xe-133	6.3183E+04	3.3755E-04	1.5284E+21	8.1970E+21
Xe-135	1.1495E-06	4.5011E-16	2.0079E+09	2.5904E+20
Cs-134	9.5852E+00	7.4084E-06	3.3294E+19	4.3193E+17
Cs-136	1.2883E+00	1.7578E-08	7.7836E+16	8.5475E+16
Cs-137	4.7662E+00	5.4796E-05	2.4087E+20	2.1349E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 336.0000	Atmosphere	Sump	
Noble gases (atoms)	4.9927E+23	0.0000E+00	
Elemental I (atoms)	2.2475E+19	0.0000E+00	
Organic I (atoms)	6.9510E+17	0.0000E+00	
Aerosols (kg)	6.2222E-05	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		4.0121E-07
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		4.0121E-07
Total I (Ci)			6.2490E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 336.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16

CRDA GAP MVP TRIP 10 MIN TSC.o0
6.2256E-07

Aerosols (kg)

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 336.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 336.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9661E+04	1.0471E-06	7.2483E+18	1.0975E+15
Kr-88	4.3504E+04	3.4694E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5078E+02	9.2110E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3569E+03	5.0865E-08	2.2860E+17	5.0206E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

Time (h) = 336.0000	Total Release	Release Rate/s	
Noble gases (atoms)	1.7251E+23	1.4262E+17	
Elemental I (atoms)	3.2971E+19	2.7258E+13	
Organic I (atoms)	1.0197E+18	8.4302E+11	
Aerosols (kg)	2.1095E-05	1.7440E-11	
Dose Effective (Ci) I-131 (Thyroid)			9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2414E+03
Total I (Ci)			5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 336.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16
Aerosols (kg)	6.2256E-07

Normal Environment to TSC Transport Group Inventory:

Time (h) = 336.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	3.5674E+18
Elemental I (atoms)	0.0000E+00	6.3179E+14
Organic I (atoms)	0.0000E+00	1.9540E+13
Aerosols (kg)	0.0000E+00	4.3664E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 336.0000	Pathway	
	Filtered	Transported

	CRDA	GAP	MVP	TRIP	10	MIN	TSC.o0
Noble gases (atoms)	3.5627E+18	0.0000E+00					
Elemental I (atoms)	6.2074E+14	0.0000E+00					
Organic I (atoms)	1.9198E+13	0.0000E+00					
Aerosols (kg)	4.3614E-10	0.0000E+00					

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 336.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 336.0000	Ci	kg	Atoms	Decay
Kr-85	2.0835E+02	5.3105E-04	3.7624E+21	9.3365E+18
Kr-85m	3.0939E+03	3.7595E-03	2.6635E+22	1.3883E+20
Rb-86	3.2692E-03	4.0178E-11	2.8135E+14	1.9191E+14
I-131	3.8160E+01	3.0781E-07	1.4150E+18	3.3160E+18
I-133	3.4974E-03	3.0873E-12	1.3979E+13	1.0195E+18
Xe-133	3.8587E+03	2.0615E-05	9.3342E+19	5.0022E+20
Xe-135	7.0200E-08	2.7489E-17	1.2263E+08	1.5730E+19
Cs-134	5.8539E-01	4.5244E-07	2.0333E+18	2.6369E+16
Cs-136	7.8679E-02	1.0735E-09	4.7536E+15	5.2174E+15
Cs-137	2.9108E-01	3.3465E-06	1.4710E+19	1.3034E+16

MVP Holdup Transport Group Inventory:

Time (h) = 336.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0491E+22	0.0000E+00	
Elemental I (atoms)	1.3726E+18	0.0000E+00	
Organic I (atoms)	4.2451E+16	0.0000E+00	
Aerosols (kg)	3.8000E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		4.2782E-07
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		4.2783E-07
Total I (Ci)			3.8164E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 336.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 336.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 360.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 360.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	1.9215E+00	2.7399E+01	2.7913E+00

CRDA GAP MVP TRIP 10 MIN TSC.o0

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 360.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	8.4496E-01	1.1721E+01	1.2173E+00

TSC Doses:

Time (h) = 360.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	9.2255-113	3.2420-109	1.0246-110
Accumulated dose (rem)	1.8388E-02	1.6201E+01	5.2669E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 360.0000	Ci	kg	Atoms	Decay
Kr-85	3.4109E+03	8.6940E-03	6.1595E+22	1.6384E+20
Kr-85m	5.0641E+04	6.1536E-02	4.3597E+23	2.4360E+21
Rb-86	5.1578E-02	6.3389E-10	4.4388E+15	3.3119E+15
I-131	5.7323E+02	4.6238E-06	2.1256E+19	5.6244E+19
I-133	2.5737E-02	2.2720E-11	1.0287E+14	1.6748E+19
Xe-133	5.5361E+04	2.9576E-04	1.3392E+21	8.3862E+21
Xe-135	1.8437E-07	7.2198E-17	3.2206E+08	2.5904E+20
Cs-134	9.5764E+00	7.4016E-06	3.3264E+19	4.6256E+17
Cs-136	1.2219E+00	1.6672E-08	7.3825E+16	8.9487E+16
Cs-137	4.7659E+00	5.4792E-05	2.4085E+20	2.2873E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 360.0000	Atmosphere	Sump
Noble gases (atoms)	4.9891E+23	0.0000E+00
Elemental I (atoms)	2.0618E+19	0.0000E+00
Organic I (atoms)	6.3768E+17	0.0000E+00
Aerosols (kg)	6.2211E-05	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		3.6807E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		3.6807E-07
Total I (Ci)		5.7326E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 360.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 360.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 360.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9661E+04	1.0471E-06	7.2483E+18	1.0975E+15
Kr-88	4.3504E+04	3.4694E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13

	CRDA GAP	MVP TRIP 10	MIN TSC.o0	
I-132	9.5078E+02	9.2110E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3569E+03	5.0865E-08	2.2860E+17	5.0206E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

Time (h) = 360.0000	Total Release	Release Rate/s	
Noble gases (atoms)	1.7251E+23	1.3311E+17	
Elemental I (atoms)	3.2971E+19	2.5440E+13	
Organic I (atoms)	1.0197E+18	7.8682E+11	
Aerosols (kg)	2.1095E-05	1.6277E-11	
Dose Effective (Ci) I-131 (Thyroid)			9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2414E+03
Total I (Ci)			5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 360.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16
Aerosols (kg)	6.2256E-07

Normal Environment to TSC Transport Group Inventory:

Time (h) = 360.0000	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	3.5674E+18
Elemental I (atoms)	0.0000E+00	6.3179E+14
Organic I (atoms)	0.0000E+00	1.9540E+13
Aerosols (kg)	0.0000E+00	4.3664E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 360.0000	Pathway Filtered	Transported
Noble gases (atoms)	3.5627E+18	0.0000E+00
Elemental I (atoms)	6.2074E+14	0.0000E+00
Organic I (atoms)	1.9198E+13	0.0000E+00
Aerosols (kg)	4.3614E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 360.0000	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 360.0000	Ci	kg	Atoms	Decay
Kr-85	2.0831E+02	5.3095E-04	3.7617E+21	1.0002E+19
Kr-85m	3.0927E+03	3.7581E-03	2.6626E+22	1.4872E+20
Rb-86	3.1500E-03	3.8713E-11	2.7109E+14	2.0217E+14

	CRDA GAP	MVP TRIP 10	MIN TSC.o0	
I-131	3.5008E+01	2.8238E-07	1.2981E+18	3.4329E+18
I-133	1.5718E-03	1.3875E-12	6.2826E+12	1.0195E+18
Xe-133	3.3810E+03	1.8063E-05	8.1787E+19	5.1177E+20
Xe-135	1.1260E-08	4.4093E-18	1.9669E+07	1.5730E+19
Cs-134	5.8485E-01	4.5203E-07	2.0315E+18	2.8240E+16
Cs-136	7.4624E-02	1.0182E-09	4.5086E+15	5.4624E+15
Cs-137	2.9106E-01	3.3463E-06	1.4709E+19	1.3964E+16

MVP Holdup Transport Group Inventory:

Time (h) = 360.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0469E+22	0.0000E+00	
Elemental I (atoms)	1.2592E+18	0.0000E+00	
Organic I (atoms)	3.8944E+16	0.0000E+00	
Aerosols (kg)	3.7993E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		3.9248E-07
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		3.9248E-07
Total I (Ci)			3.5010E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 360.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 360.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 384.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 384.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	1.9215E+00	2.7399E+01	2.7913E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 384.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	8.4496E-01	1.1721E+01	1.2173E+00

TSC Doses:

Time (h) = 384.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	5.1560-121	1.7085-117	5.4157-119
Accumulated dose (rem)	1.8388E-02	1.6201E+01	5.2669E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 384.0000	Ci	kg	Atoms	Decay
Kr-85	3.4103E+03	8.6924E-03	6.1585E+22	1.7474E+20
Kr-85m	5.0622E+04	6.1513E-02	4.3581E+23	2.5979E+21
Rb-86	4.9697E-02	6.1078E-10	4.2770E+15	3.4737E+15
I-131	5.2588E+02	4.2419E-06	1.9500E+19	5.8000E+19

	CRDA GAP	MVP TRIP 10	MIN TSC.o0	
I-133	1.1567E-02	1.0211E-11	4.6234E+13	1.6748E+19
Xe-133	4.8508E+04	2.5915E-04	1.1734E+21	8.5520E+21
Xe-135	2.9573E-08	1.1580E-17	5.1659E+07	2.5904E+20
Cs-134	9.5676E+00	7.3948E-06	3.3233E+19	4.9316E+17
Cs-136	1.1589E+00	1.5813E-08	7.0020E+16	9.3291E+16
Cs-137	4.7656E+00	5.4789E-05	2.4084E+20	2.4396E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 384.0000	Atmosphere	Sump	
Noble gases (atoms)	4.9857E+23	0.0000E+00	
Elemental I (atoms)	1.8915E+19	0.0000E+00	
Organic I (atoms)	5.8500E+17	0.0000E+00	
Aerosols (kg)	6.2200E-05	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		3.3766E-07
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		3.3766E-07
Total I (Ci)			5.2590E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 384.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 384.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 384.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9661E+04	1.0471E-06	7.2483E+18	1.0975E+15
Kr-88	4.3504E+04	3.4694E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5078E+02	9.2110E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3569E+03	5.0865E-08	2.2860E+17	5.0206E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

Time (h) = 384.0000	Total Release	Release Rate/s	
Noble gases (atoms)	1.7251E+23	1.2479E+17	
Elemental I (atoms)	3.2971E+19	2.3850E+13	
Organic I (atoms)	1.0197E+18	7.3764E+11	
Aerosols (kg)	2.1095E-05	1.5260E-11	
Dose Effective (Ci)	I-131 (Thyroid)		9.8108E+02
Dose Effective (Ci)	I-131 (ICRP2 Thyroid)		1.2414E+03

Total I (Ci)

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 384.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16
Aerosols (kg)	6.2256E-07

Normal Environment to TSC Transport Group Inventory:

Time (h) = 384.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	3.5674E+18
Elemental I (atoms)	0.0000E+00	6.3179E+14
Organic I (atoms)	0.0000E+00	1.9540E+13
Aerosols (kg)	0.0000E+00	4.3664E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 384.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	3.5627E+18	0.0000E+00
Elemental I (atoms)	6.2074E+14	0.0000E+00
Organic I (atoms)	1.9198E+13	0.0000E+00
Aerosols (kg)	4.3614E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 384.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 384.0000	Ci	kg	Atoms	Decay
Kr-85	2.0827E+02	5.3086E-04	3.7611E+21	1.0668E+19
Kr-85m	3.0916E+03	3.7567E-03	2.6616E+22	1.5860E+20
Rb-86	3.0351E-03	3.7301E-11	2.6120E+14	2.1206E+14
I-131	3.2117E+01	2.5906E-07	1.1909E+18	3.5401E+18
I-133	7.0641E-04	6.2359E-13	2.8236E+12	1.0195E+18
Xe-133	2.9625E+03	1.5827E-05	7.1662E+19	5.2190E+20
Xe-135	1.8061E-09	7.0724E-19	3.1549E+06	1.5730E+19
Cs-134	5.8431E-01	4.5161E-07	2.0296E+18	3.0109E+16
Cs-136	7.0778E-02	9.6572E-10	4.2762E+15	5.6948E+15
Cs-137	2.9104E-01	3.3460E-06	1.4708E+19	1.4894E+16

MVP Holdup Transport Group Inventory:

Time (h) = 384.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0448E+22	0.0000E+00	
Elemental I (atoms)	1.1552E+18	0.0000E+00	
Organic I (atoms)	3.5727E+16	0.0000E+00	
Aerosols (kg)	3.7987E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		3.6006E-07
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		3.6006E-07
Total I (Ci)			3.2117E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

CRDA GAP MVP TRIP 10 MIN TSC.o0

	Pathway	
Time (h) = 384.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 384.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 408.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 408.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	1.9215E+00	2.7399E+01	2.7913E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 408.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	8.4496E-01	1.1721E+01	1.2173E+00

TSC Doses:

Time (h) = 408.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	2.8892-129	9.0037-126	2.8633-127
Accumulated dose (rem)	1.8388E-02	1.6201E+01	5.2669E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 408.0000	Ci	kg	Atoms	Decay
Kr-85	3.4097E+03	8.6909E-03	6.1574E+22	1.8564E+20
Kr-85m	5.0603E+04	6.1490E-02	4.3565E+23	2.7597E+21
Rb-86	4.7885E-02	5.8851E-10	4.1210E+15	3.6297E+15
I-131	4.8245E+02	3.8915E-06	1.7889E+19	5.9610E+19
I-133	5.1985E-03	4.5890E-12	2.0779E+13	1.6748E+19
Xe-133	4.2503E+04	2.2707E-04	1.0281E+21	8.6972E+21
Xe-135	4.7435E-09	1.8575E-18	8.2860E+06	2.5904E+20
Cs-134	9.5588E+00	7.3880E-06	3.3203E+19	5.2373E+17
Cs-136	1.0992E+00	1.4998E-08	6.6411E+16	9.6900E+16
Cs-137	4.7653E+00	5.4785E-05	2.4082E+20	2.5920E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 408.0000	Atmosphere	Sump	
Noble gases (atoms)	4.9825E+23	0.0000E+00	
Elemental I (atoms)	1.7353E+19	0.0000E+00	
Organic I (atoms)	5.3668E+17	0.0000E+00	
Aerosols (kg)	6.2189E-05	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		3.0977E-07
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		3.0977E-07
Total I (Ci)			4.8245E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 408.0000 Leakage Transport

CRDA GAP MVP TRIP 10 MIN TSC.o0

Noble gases (atoms) 5.0830E+21
 Elemental I (atoms) 8.5047E+17
 Organic I (atoms) 2.6303E+16
 Aerosols (kg) 6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 408.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 408.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9661E+04	1.0471E-06	7.2483E+18	1.0975E+15
Kr-88	4.3504E+04	3.4694E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5078E+02	9.2110E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3569E+03	5.0865E-08	2.2860E+17	5.0206E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

Time (h) = 408.0000	Total Release	Release Rate/s
Noble gases (atoms)	1.7251E+23	1.1745E+17
Elemental I (atoms)	3.2971E+19	2.2447E+13
Organic I (atoms)	1.0197E+18	6.9425E+11
Aerosols (kg)	2.1095E-05	1.4362E-11
Dose Effective (Ci) I-131 (Thyroid)		9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		1.2414E+03
Total I (Ci)		5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 408.0000 Leakage Transport

Noble gases (atoms) 5.0830E+21
 Elemental I (atoms) 8.5047E+17
 Organic I (atoms) 2.6303E+16
 Aerosols (kg) 6.2256E-07

Normal Environment to TSC Transport Group Inventory:

Time (h) = 408.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	3.5674E+18
Elemental I (atoms)	0.0000E+00	6.3179E+14
Organic I (atoms)	0.0000E+00	1.9540E+13
Aerosols (kg)	0.0000E+00	4.3664E-10

Normal Return TSC to Environment Transport Group Inventory:

CRDA GAP MVP TRIP 10 MIN TSC.o0

	Pathway	
	Filtered	Transported
Time (h) = 408.0000		
Noble gases (atoms)	3.5627E+18	0.0000E+00
Elemental I (atoms)	6.2074E+14	0.0000E+00
Organic I (atoms)	1.9198E+13	0.0000E+00
Aerosols (kg)	4.3614E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 408.0000		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 408.0000	Ci	kg	Atoms	Decay
Kr-85	2.0824E+02	5.3077E-04	3.7604E+21	1.1334E+19
Kr-85m	3.0904E+03	3.7553E-03	2.6606E+22	1.6849E+20
Rb-86	2.9244E-03	3.5941E-11	2.5168E+14	2.2158E+14
I-131	2.9464E+01	2.3766E-07	1.0925E+18	3.6385E+18
I-133	3.1748E-04	2.8026E-13	1.2690E+12	1.0195E+18
Xe-133	2.5957E+03	1.3867E-05	6.2791E+19	5.3077E+20
Xe-135	2.8970E-10	1.1344E-19	5.0604E+05	1.5730E+19
Cs-134	5.8377E-01	4.5120E-07	2.0277E+18	3.1976E+16
Cs-136	6.7131E-02	9.1595E-10	4.0558E+15	5.9152E+15
Cs-137	2.9103E-01	3.3458E-06	1.4707E+19	1.5825E+16

MVP Holdup Transport Group Inventory:

Time (h) = 408.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0429E+22	0.0000E+00	
Elemental I (atoms)	1.0598E+18	0.0000E+00	
Organic I (atoms)	3.2776E+16	0.0000E+00	
Aerosols (kg)	3.7980E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			3.3032E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			3.3032E-07
Total I (Ci)			2.9464E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 408.0000		
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 408.0000		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 432.0000

CRDA @ EAB - Condenser Release Doses:

CRDA GAP MVP TRIP 10 MIN TSC.o0
 Time (h) = 432.0000 Whole Body Thyroid TEDE
 Delta dose (rem) 0.0000E+00 0.0000E+00 0.0000E+00
 Accumulated dose (rem) 1.9215E+00 2.7399E+01 2.7913E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 432.0000 Whole Body Thyroid TEDE
 Delta dose (rem) 0.0000E+00 0.0000E+00 0.0000E+00
 Accumulated dose (rem) 8.4496E-01 1.1721E+01 1.2173E+00

TSC Doses:

Time (h) = 432.0000 Whole Body Thyroid TEDE
 Delta dose (rem) 1.6229-137 4.7449-134 1.5143-135
 Accumulated dose (rem) 1.8388E-02 1.6201E+01 5.2669E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 432.0000	Ci	kg	Atoms	Decay
Kr-85	3.4091E+03	8.6893E-03	6.1563E+22	1.9654E+20
Kr-85m	5.0585E+04	6.1467E-02	4.3549E+23	2.9214E+21
Rb-86	4.6139E-02	5.6705E-10	3.9707E+15	3.7800E+15
I-131	4.4260E+02	3.5700E-06	1.6412E+19	6.1088E+19
I-133	2.3363E-03	2.0624E-12	9.3385E+12	1.6748E+19
Xe-133	3.7241E+04	1.9896E-04	9.0087E+20	8.8245E+21
Xe-135	7.6086E-10	2.9794E-19	1.3291E+06	2.5904E+20
Cs-134	9.5500E+00	7.3812E-06	3.3172E+19	5.5428E+17
Cs-136	1.0426E+00	1.4225E-08	6.2989E+16	1.0032E+17
Cs-137	4.7650E+00	5.4782E-05	2.4081E+20	2.7443E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 432.0000	Atmosphere	Sump	
Noble gases (atoms)	4.9795E+23	0.0000E+00	
Elemental I (atoms)	1.5919E+19	0.0000E+00	
Organic I (atoms)	4.9235E+17	0.0000E+00	
Aerosols (kg)	6.2178E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			2.8418E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.8418E-07
Total I (Ci)			4.4260E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 432.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 432.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 432.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9661E+04	1.0471E-06	7.2483E+18	1.0975E+15

	CRDA GAP	MVP TRIP 10	MIN TSC.o0	
Kr-88	4.3504E+04	3.4694E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5078E+02	9.2110E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3569E+03	5.0865E-08	2.2860E+17	5.0206E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

	Total Release	Release Rate/s	
Time (h) = 432.0000			
Noble gases (atoms)	1.7251E+23	1.1092E+17	
Elemental I (atoms)	3.2971E+19	2.1200E+13	
Organic I (atoms)	1.0197E+18	6.5568E+11	
Aerosols (kg)	2.1095E-05	1.3564E-11	
Dose Effective (Ci) I-131 (Thyroid)			9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2414E+03
Total I (Ci)			5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 432.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16
Aerosols (kg)	6.2256E-07

Normal Environment to TSC Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 432.0000		
Noble gases (atoms)	0.0000E+00	3.5674E+18
Elemental I (atoms)	0.0000E+00	6.3179E+14
Organic I (atoms)	0.0000E+00	1.9540E+13
Aerosols (kg)	0.0000E+00	4.3664E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 432.0000		
Noble gases (atoms)	3.5627E+18	0.0000E+00
Elemental I (atoms)	6.2074E+14	0.0000E+00
Organic I (atoms)	1.9198E+13	0.0000E+00
Aerosols (kg)	4.3614E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 432.0000		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 432.0000	Ci	kg	Atoms	Decay
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	CRDA	GAP	MVP	TRIP	10	MIN	TSC.o0
Kr-85	2.0820E+02		5.3067E-04			3.7597E+21	1.2000E+19
Kr-85m	3.0893E+03		3.7539E-03			2.6596E+22	1.7836E+20
Rb-86	2.8178E-03		3.4631E-11			2.4250E+14	2.3076E+14
I-131	2.7030E+01		2.1803E-07			1.0023E+18	3.7287E+18
I-133	1.4268E-04		1.2596E-13			5.7031E+11	1.0195E+18
Xe-133	2.2744E+03		1.2151E-05			5.5017E+19	5.3854E+20
Xe-135	4.6467E-11		1.8196E-20			8.1168E+04	1.5730E+19
Cs-134	5.8323E-01		4.5078E-07			2.0259E+18	3.3841E+16
Cs-136	6.3671E-02		8.6874E-10			3.8468E+15	6.1242E+15
Cs-137	2.9101E-01		3.3456E-06			1.4706E+19	1.6755E+16

MVP Holdup Transport Group Inventory:

Time (h) = 432.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0411E+22	0.0000E+00	
Elemental I (atoms)	9.7222E+17	0.0000E+00	
Organic I (atoms)	3.0069E+16	0.0000E+00	
Aerosols (kg)	3.7973E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			3.0303E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			3.0303E-07
Total I (Ci)			2.7030E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 432.0000	Pathway	Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18
Aerosols (kg)		0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 432.0000	Pathway	Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9217E+23
Elemental I (atoms)		0.0000E+00	3.6947E+19
Organic I (atoms)		0.0000E+00	1.1427E+18
Aerosols (kg)		0.0000E+00	2.3498E-05

Detailed model information at time (H) = 456.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 456.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	1.9215E+00	2.7399E+01	2.7913E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 456.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	8.4496E-01	1.1721E+01	1.2173E+00

TSC Doses:

Time (h) = 456.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	9.1366E-146	2.5006E-142	8.0111E-144
Accumulated dose (rem)	1.8388E-02	1.6201E+01	5.2669E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 456.0000	Ci	kg	Atoms	Decay
Kr-85	3.4085E+03	8.6878E-03	6.1552E+22	2.0744E+20

	CRDA	GAP	MVP	TRIP	10	MIN	TSC.o0
Kr-85m	5.0566E+04	6.1444E-02	4.3533E+23	3.0831E+21			
Rb-86	4.4457E-02	5.4637E-10	3.8259E+15	3.9248E+15			
I-131	4.0604E+02	3.2752E-06	1.5056E+19	6.2444E+19			
I-133	1.0500E-03	9.2690E-13	4.1969E+12	1.6748E+19			
Xe-133	3.2631E+04	1.7433E-04	7.8935E+20	8.9360E+21			
Xe-135	1.2204E-10	4.7789E-20	2.1318E+05	2.5904E+20			
Cs-134	9.5412E+00	7.3744E-06	3.3142E+19	5.8479E+17			
Cs-136	9.8883E-01	1.3492E-08	5.9742E+16	1.0357E+17			
Cs-137	4.7647E+00	5.4778E-05	2.4079E+20	2.8966E+17			

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 456.0000	Atmosphere	Sump	
Noble gases (atoms)	4.9767E+23	0.0000E+00	
Elemental I (atoms)	1.4604E+19	0.0000E+00	
Organic I (atoms)	4.5168E+17	0.0000E+00	
Aerosols (kg)	6.2167E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			2.6071E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.6071E-07
Total I (Ci)			4.0604E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 456.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 456.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 456.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9661E+04	1.0471E-06	7.2483E+18	1.0975E+15
Kr-88	4.3504E+04	3.4694E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5078E+02	9.2110E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3569E+03	5.0865E-08	2.2860E+17	5.0206E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

Time (h) = 456.0000	Total Release	Release Rate/s
Noble gases (atoms)	1.7251E+23	1.0509E+17
Elemental I (atoms)	3.2971E+19	2.0085E+13
Organic I (atoms)	1.0197E+18	6.2117E+11

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Aerosols (kg)	2.1095E-05	1.2850E-11	
Dose Effective (Ci) I-131 (Thyroid)			9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2414E+03
Total I (Ci)			5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 456.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16
Aerosols (kg)	6.2256E-07

Normal Environment to TSC Transport Group Inventory:

	Pathway	
Time (h) = 456.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	3.5674E+18
Elemental I (atoms)	0.0000E+00	6.3179E+14
Organic I (atoms)	0.0000E+00	1.9540E+13
Aerosols (kg)	0.0000E+00	4.3664E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway	
Time (h) = 456.0000	Filtered	Transported
Noble gases (atoms)	3.5627E+18	0.0000E+00
Elemental I (atoms)	6.2074E+14	0.0000E+00
Organic I (atoms)	1.9198E+13	0.0000E+00
Aerosols (kg)	4.3614E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 456.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 456.0000	Ci	kg	Atoms	Decay
Kr-85	2.0816E+02	5.3058E-04	3.7591E+21	1.2665E+19
Kr-85m	3.0881E+03	3.7525E-03	2.6586E+22	1.8824E+20
Rb-86	2.7150E-03	3.3368E-11	2.3366E+14	2.3960E+14
I-131	2.4797E+01	2.0002E-07	9.1950E+17	3.8115E+18
I-133	6.4125E-05	5.6607E-14	2.5631E+11	1.0195E+18
Xe-133	1.9928E+03	1.0647E-05	4.8207E+19	5.4535E+20
Xe-135	7.4532E-12	2.9186E-21	1.3019E+04	1.5730E+19
Cs-134	5.8270E-01	4.5037E-07	2.0240E+18	3.5705E+16
Cs-136	6.0390E-02	8.2397E-10	3.6486E+15	6.3224E+15
Cs-137	2.9099E-01	3.3454E-06	1.4705E+19	1.7685E+16

MVP Holdup Transport Group Inventory:

Time (h) = 456.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0393E+22	0.0000E+00	
Elemental I (atoms)	8.9191E+17	0.0000E+00	
Organic I (atoms)	2.7585E+16	0.0000E+00	
Aerosols (kg)	3.7966E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			2.7800E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.7800E-07
Total I (Ci)			2.4797E+01

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DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 456.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 456.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 480.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 480.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	1.9215E+00	2.7399E+01	2.7913E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 480.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	8.4496E-01	1.1721E+01	1.2173E+00

TSC Doses:

Time (h) = 480.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	5.1542E-154	1.3178E-150	4.2396E-152
Accumulated dose (rem)	1.8388E-02	1.6201E+01	5.2669E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 480.0000	Ci	kg	Atoms	Decay
Kr-85	3.4079E+03	8.6863E-03	6.1541E+22	2.1834E+20
Kr-85m	5.0547E+04	6.1422E-02	4.3516E+23	3.2447E+21
Rb-86	4.2836E-02	5.2645E-10	3.6864E+15	4.0643E+15
I-131	3.7250E+02	3.0046E-06	1.3812E+19	6.3687E+19
I-133	4.7190E-04	4.1657E-13	1.8862E+12	1.6748E+19
Xe-133	2.8592E+04	1.5275E-04	6.9163E+20	9.0337E+21
Xe-135	1.9575E-11	7.6654E-21	3.4194E+04	2.5904E+20
Cs-134	9.5324E+00	7.3676E-06	3.3111E+19	6.1528E+17
Cs-136	9.3787E-01	1.2797E-08	5.6664E+16	1.0665E+17
Cs-137	4.7644E+00	5.4775E-05	2.4078E+20	3.0489E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 480.0000	Atmosphere	Sump	
Noble gases (atoms)	4.9740E+23	0.0000E+00	
Elemental I (atoms)	1.3398E+19	0.0000E+00	
Organic I (atoms)	4.1437E+17	0.0000E+00	
Aerosols (kg)	6.2156E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			2.3918E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.3918E-07
Total I (Ci)			3.7250E+02

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DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 480.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 480.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 480.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9661E+04	1.0471E-06	7.2483E+18	1.0975E+15
Kr-88	4.3504E+04	3.4694E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5078E+02	9.2110E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3569E+03	5.0865E-08	2.2860E+17	5.0206E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

Time (h) = 480.0000	Total Release		Rate/s
	Release	Rate/s	
Noble gases (atoms)	1.7251E+23	9.9832E+16	
Elemental I (atoms)	3.2971E+19	1.9080E+13	
Organic I (atoms)	1.0197E+18	5.9011E+11	
Aerosols (kg)	2.1095E-05	1.2208E-11	
Dose Effective (Ci) I-131 (Thyroid)			9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2414E+03
Total I (Ci)			5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 480.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16
Aerosols (kg)	6.2256E-07

Normal Environment to TSC Transport Group Inventory:

Time (h) = 480.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	3.5674E+18
Elemental I (atoms)	0.0000E+00	6.3179E+14
Organic I (atoms)	0.0000E+00	1.9540E+13

Aerosols (kg) CRDA GAP MVP TRIP 10 MIN TSC.o0
 0.0000E+00 4.3664E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 480.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	3.5627E+18	0.0000E+00
Elemental I (atoms)	6.2074E+14	0.0000E+00
Organic I (atoms)	1.9198E+13	0.0000E+00
Aerosols (kg)	4.3614E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 480.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 480.0000	Ci	kg	Atoms	Decay
Kr-85	2.0813E+02	5.3048E-04	3.7584E+21	1.3331E+19
Kr-85m	3.0870E+03	3.7511E-03	2.6576E+22	1.9811E+20
Rb-86	2.6160E-03	3.2151E-11	2.2514E+14	2.4812E+14
I-131	2.2749E+01	1.8350E-07	8.4355E+17	3.8875E+18
I-133	2.8820E-05	2.5441E-14	1.1519E+11	1.0195E+18
Xe-133	1.7461E+03	9.3286E-06	4.2239E+19	5.5132E+20
Cs-134	5.8216E-01	4.4995E-07	2.0221E+18	3.7566E+16
Cs-136	5.7277E-02	7.8151E-10	3.4605E+15	6.5105E+15
Cs-137	2.9097E-01	3.3452E-06	1.4705E+19	1.8616E+16

MVP Holdup Transport Group Inventory:

Time (h) = 480.0000	Atmosphere	Sump
Noble gases (atoms)	3.0377E+22	0.0000E+00
Elemental I (atoms)	8.1824E+17	0.0000E+00
Organic I (atoms)	2.5306E+16	0.0000E+00
Aerosols (kg)	3.7960E-06	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		2.5504E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		2.5504E-07
Total I (Ci)		2.2749E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 480.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 480.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 504.0000

CRDA GAP MVP TRIP 10 MIN TSC.o0

CRDA @ EAB - Condenser Release Doses:

Time (h) = 504.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	1.9215E+00	2.7399E+01	2.7913E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 504.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	8.4496E-01	1.1721E+01	1.2173E+00

TSC Doses:

Time (h) = 504.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	2.9130-162	6.9451-159	2.2445-160
Accumulated dose (rem)	1.8388E-02	1.6201E+01	5.2669E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 504.0000	Ci	kg	Atoms	Decay
Kr-85	3.4073E+03	8.6847E-03	6.1530E+22	2.2923E+20
Kr-85m	5.0528E+04	6.1399E-02	4.3500E+23	3.4063E+21
Rb-86	4.1274E-02	5.0725E-10	3.5520E+15	4.1987E+15
I-131	3.4173E+02	2.7564E-06	1.2671E+19	6.4828E+19
I-133	2.1208E-04	1.8722E-13	8.4771E+11	1.6748E+19
Xe-133	2.5052E+04	1.3384E-04	6.0601E+20	9.1193E+21
Cs-134	9.5237E+00	7.3608E-06	3.3081E+19	6.4574E+17
Cs-136	8.8954E-01	1.2137E-08	5.3743E+16	1.0957E+17
Cs-137	4.7641E+00	5.4771E-05	2.4076E+20	3.2012E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 504.0000	Atmosphere	Sump	
Noble gases (atoms)	4.9714E+23	0.0000E+00	
Elemental I (atoms)	1.2291E+19	0.0000E+00	
Organic I (atoms)	3.8014E+17	0.0000E+00	
Aerosols (kg)	6.2145E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			2.1942E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.1942E-07
Total I (Ci)			3.4173E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 504.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 504.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 504.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14

	CRDA GAP	MVP TRIP 10	MIN TSC.o0	
Kr-87	2.9661E+04	1.0471E-06	7.2483E+18	1.0975E+15
Kr-88	4.3504E+04	3.4694E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5078E+02	9.2110E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3569E+03	5.0865E-08	2.2860E+17	5.0206E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

	Total Release	Release Rate/s
Time (h) = 504.0000		
Noble gases (atoms)	1.7251E+23	9.5078E+16
Elemental I (atoms)	3.2971E+19	1.8172E+13
Organic I (atoms)	1.0197E+18	5.6201E+11
Aerosols (kg)	2.1095E-05	1.1626E-11
Dose Effective (Ci) I-131 (Thyroid)		9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		1.2414E+03
Total I (Ci)		5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 504.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16
Aerosols (kg)	6.2256E-07

Normal Environment to TSC Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 504.0000		
Noble gases (atoms)	0.0000E+00	3.5674E+18
Elemental I (atoms)	0.0000E+00	6.3179E+14
Organic I (atoms)	0.0000E+00	1.9540E+13
Aerosols (kg)	0.0000E+00	4.3664E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 504.0000		
Noble gases (atoms)	3.5627E+18	0.0000E+00
Elemental I (atoms)	6.2074E+14	0.0000E+00
Organic I (atoms)	1.9198E+13	0.0000E+00
Aerosols (kg)	4.3614E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 504.0000		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

	CRDA	GAP	MVP	TRIP	10	MIN	TSC.o0	
Time (h) = 504.0000	Ci		kg			Atoms		Decay
Kr-85	2.0809E+02		5.3039E-04			3.7577E+21		1.3996E+19
Kr-85m	3.0858E+03		3.7497E-03			2.6566E+22		2.0797E+20
Rb-86	2.5206E-03		3.0979E-11			2.1693E+14		2.5633E+14
I-131	2.0870E+01		1.6834E-07			7.7387E+17		3.9571E+18
I-133	1.2952E-05		1.1434E-14			5.1771E+10		1.0195E+18
Xe-133	1.5300E+03		8.1737E-06			3.7010E+19		5.5655E+20
Cs-134	5.8163E-01		4.4954E-07			2.0203E+18		3.9427E+16
Cs-136	5.4325E-02		7.4123E-10			3.2822E+15		6.6888E+15
Cs-137	2.9095E-01		3.3450E-06			1.4704E+19		1.9546E+16

MVP Holdup Transport Group Inventory:

Time (h) = 504.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0361E+22	0.0000E+00	
Elemental I (atoms)	7.5065E+17	0.0000E+00	
Organic I (atoms)	2.3216E+16	0.0000E+00	
Aerosols (kg)	3.7953E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			2.3397E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.3397E-07
Total I (Ci)			2.0870E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 504.0000	Pathway	Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18
Aerosols (kg)		0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 504.0000	Pathway	Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9217E+23
Elemental I (atoms)		0.0000E+00	3.6947E+19
Organic I (atoms)		0.0000E+00	1.1427E+18
Aerosols (kg)		0.0000E+00	2.3498E-05

Detailed model information at time (H) = 528.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 528.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	1.9215E+00	2.7399E+01	2.7913E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 528.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	8.4496E-01	1.1721E+01	1.2173E+00

TSC Doses:

Time (h) = 528.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.6491-170	3.6602-167	1.1887-168
Accumulated dose (rem)	1.8388E-02	1.6201E+01	5.2669E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 528.0000	Ci	kg	Atoms	Decay
Kr-85	3.4067E+03	8.6832E-03	6.1519E+22	2.4012E+20

	CRDA GAP	MVP TRIP 10	MIN TSC.o0	
Kr-85m	5.0510E+04	6.1376E-02	4.3484E+23	3.5678E+21
Rb-86	3.9769E-02	4.8875E-10	3.4225E+15	4.3282E+15
I-131	3.1350E+02	2.5288E-06	1.1625E+19	6.5875E+19
I-133	9.5316E-05	8.4141E-14	3.8098E+11	1.6748E+19
Xe-133	2.1951E+04	1.1727E-04	5.3099E+20	9.1944E+21
Cs-134	9.5149E+00	7.3541E-06	3.3050E+19	6.7617E+17
Cs-136	8.4369E-01	1.1512E-08	5.0974E+16	1.1234E+17
Cs-137	4.7638E+00	5.4768E-05	2.4074E+20	3.3535E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 528.0000	Atmosphere	Sump	
Noble gases (atoms)	4.9689E+23	0.0000E+00	
Elemental I (atoms)	1.1276E+19	0.0000E+00	
Organic I (atoms)	3.4874E+17	0.0000E+00	
Aerosols (kg)	6.2134E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			2.0129E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.0129E-07
Total I (Ci)			3.1350E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 528.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 528.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 528.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9661E+04	1.0471E-06	7.2483E+18	1.0975E+15
Kr-88	4.3504E+04	3.4694E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5078E+02	9.2110E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3569E+03	5.0865E-08	2.2860E+17	5.0206E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

Time (h) = 528.0000	Total Release	Release Rate/s
Noble gases (atoms)	1.7251E+23	9.0756E+16
Elemental I (atoms)	3.2971E+19	1.7346E+13
Organic I (atoms)	1.0197E+18	5.3647E+11
Aerosols (kg)	2.1095E-05	1.1098E-11

CRDA GAP MVP TRIP 10 MIN TSC.o0

Dose Effective (Ci) I-131 (Thyroid) 9.8108E+02
 Dose Effective (Ci) I-131 (ICRP2 Thyroid) 1.2414E+03
 Total I (Ci) 5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 528.0000 Leakage Transport

Noble gases (atoms) 5.0830E+21
 Elemental I (atoms) 8.5047E+17
 Organic I (atoms) 2.6303E+16
 Aerosols (kg) 6.2256E-07

Normal Environment to TSC Transport Group Inventory:

Time (h) = 528.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	3.5674E+18
Elemental I (atoms)	0.0000E+00	6.3179E+14
Organic I (atoms)	0.0000E+00	1.9540E+13
Aerosols (kg)	0.0000E+00	4.3664E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 528.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	3.5627E+18	0.0000E+00
Elemental I (atoms)	6.2074E+14	0.0000E+00
Organic I (atoms)	1.9198E+13	0.0000E+00
Aerosols (kg)	4.3614E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 528.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 528.0000	Ci	kg	Atoms	Decay
Kr-85	2.0805E+02	5.3030E-04	3.7571E+21	1.4661E+19
Kr-85m	3.0847E+03	3.7483E-03	2.6556E+22	2.1784E+20
Rb-86	2.4287E-03	2.9849E-11	2.0902E+14	2.6424E+14
I-131	1.9146E+01	1.5444E-07	7.0995E+17	4.0211E+18
I-133	5.8211E-06	5.1386E-15	2.3267E+10	1.0195E+18
Xe-133	1.3406E+03	7.1619E-06	3.2428E+19	5.6113E+20
Cs-134	5.8109E-01	4.4913E-07	2.0184E+18	4.1285E+16
Cs-136	5.1526E-02	7.0303E-10	3.1130E+15	6.8580E+15
Cs-137	2.9093E-01	3.3448E-06	1.4703E+19	2.0476E+16

MVP Holdup Transport Group Inventory:

Time (h) = 528.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0346E+22	0.0000E+00	
Elemental I (atoms)	6.8865E+17	0.0000E+00	
Organic I (atoms)	2.1298E+16	0.0000E+00	
Aerosols (kg)	3.7946E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			2.1465E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.1465E-07
Total I (Ci)			1.9146E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

CRDA GAP MVP TRIP 10 MIN TSC.o0

Time (h) = 528.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 528.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 552.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 552.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	1.9215E+00	2.7399E+01	2.7913E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 552.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	8.4496E-01	1.1721E+01	1.2173E+00

TSC Doses:

Time (h) = 552.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	9.3505-179	1.9290-175	6.2984-177
Accumulated dose (rem)	1.8388E-02	1.6201E+01	5.2669E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 552.0000	Ci	kg	Atoms	Decay
Kr-85	3.4061E+03	8.6816E-03	6.1508E+22	2.5101E+20
Kr-85m	5.0491E+04	6.1353E-02	4.3468E+23	3.7292E+21
Rb-86	3.8318E-02	4.7093E-10	3.2977E+15	4.4530E+15
I-131	2.8761E+02	2.3199E-06	1.0665E+19	6.6835E+19
I-133	4.2837E-05	3.7815E-14	1.7122E+11	1.6748E+19
Xe-133	1.9233E+04	1.0275E-04	4.6526E+20	9.2601E+21
Cs-134	9.5062E+00	7.3473E-06	3.3020E+19	7.0657E+17
Cs-136	8.0021E-01	1.0918E-08	4.8347E+16	1.1496E+17
Cs-137	4.7635E+00	5.4764E-05	2.4073E+20	3.5058E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 552.0000	Atmosphere	Sump
Noble gases (atoms)	4.9665E+23	0.0000E+00
Elemental I (atoms)	1.0345E+19	0.0000E+00
Organic I (atoms)	3.1994E+17	0.0000E+00
Aerosols (kg)	6.2123E-05	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.8467E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		1.8467E-07
Total I (Ci)		2.8761E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 552.0000 Leakage Transport

CRDA GAP MVP TRIP 10 MIN TSC.o0

Noble gases (atoms) 5.0830E+21
 Elemental I (atoms) 8.5047E+17
 Organic I (atoms) 2.6303E+16
 Aerosols (kg) 6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 552.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 552.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9661E+04	1.0471E-06	7.2483E+18	1.0975E+15
Kr-88	4.3504E+04	3.4694E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5078E+02	9.2110E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3569E+03	5.0865E-08	2.2860E+17	5.0206E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

Time (h) = 552.0000	Total Release	Release Rate/s	
Noble gases (atoms)	1.7251E+23	8.6810E+16	
Elemental I (atoms)	3.2971E+19	1.6592E+13	
Organic I (atoms)	1.0197E+18	5.1314E+11	
Aerosols (kg)	2.1095E-05	1.0615E-11	
Dose Effective (Ci)	I-131 (Thyroid)	9.8108E+02	
Dose Effective (Ci)	I-131 (ICRP2 Thyroid)	1.2414E+03	
Total I (Ci)		5.6863E+03	

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 552.0000 Leakage Transport

Noble gases (atoms) 5.0830E+21
 Elemental I (atoms) 8.5047E+17
 Organic I (atoms) 2.6303E+16
 Aerosols (kg) 6.2256E-07

Normal Environment to TSC Transport Group Inventory:

Time (h) = 552.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	3.5674E+18
Elemental I (atoms)	0.0000E+00	6.3179E+14
Organic I (atoms)	0.0000E+00	1.9540E+13
Aerosols (kg)	0.0000E+00	4.3664E-10

Normal Return TSC to Environment Transport Group Inventory:

CRDA GAP MVP TRIP 10 MIN TSC.o0

Time (h) = 552.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	3.5627E+18	0.0000E+00
Elemental I (atoms)	6.2074E+14	0.0000E+00
Organic I (atoms)	1.9198E+13	0.0000E+00
Aerosols (kg)	4.3614E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 552.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 552.0000	Ci	kg	Atoms	Decay
Kr-85	2.0802E+02	5.3020E-04	3.7564E+21	1.5326E+19
Kr-85m	3.0836E+03	3.7469E-03	2.6547E+22	2.2770E+20
Rb-86	2.3402E-03	2.8761E-11	2.0140E+14	2.7186E+14
I-131	1.7565E+01	1.4168E-07	6.5131E+17	4.0797E+18
I-133	2.6161E-06	2.3094E-15	1.0457E+10	1.0195E+18
Xe-133	1.1746E+03	6.2753E-06	2.8414E+19	5.6514E+20
Cs-134	5.8056E-01	4.4871E-07	2.0166E+18	4.3142E+16
Cs-136	4.8870E-02	6.6680E-10	2.9526E+15	7.0184E+15
Cs-137	2.9092E-01	3.3446E-06	1.4702E+19	2.1406E+16

MVP Holdup Transport Group Inventory:

Time (h) = 552.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0331E+22	0.0000E+00	
Elemental I (atoms)	6.3177E+17	0.0000E+00	
Organic I (atoms)	1.9539E+16	0.0000E+00	
Aerosols (kg)	3.7940E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.9692E-07
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		1.9692E-07
Total I (Ci)			1.7565E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 552.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 552.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 576.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 576.0000	whole Body	Thyroid	TEDE

	CRDA GAP MVP TRIP 10 MIN TSC.o0		
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	1.9215E+00	2.7399E+01	2.7913E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 576.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	8.4496E-01	1.1721E+01	1.2173E+00

TSC Doses:

Time (h) = 576.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	5.3089-187	1.0166-183	3.3388-185
Accumulated dose (rem)	1.8388E-02	1.6201E+01	5.2669E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 576.0000	Ci	kg	Atoms	Decay
Kr-85	3.4055E+03	8.6801E-03	6.1497E+22	2.6190E+20
Kr-85m	5.0472E+04	6.1330E-02	4.3452E+23	3.8906E+21
Rb-86	3.6921E-02	4.5376E-10	3.1774E+15	4.5733E+15
I-131	2.6385E+02	2.1283E-06	9.7837E+18	6.7716E+19
I-133	1.9252E-05	1.6995E-14	7.6952E+10	1.6748E+19
Xe-133	1.6852E+04	9.0033E-05	4.0766E+20	9.3177E+21
Cs-134	9.4974E+00	7.3406E-06	3.2989E+19	7.3695E+17
Cs-136	7.5897E-01	1.0356E-08	4.5855E+16	1.1746E+17
Cs-137	4.7632E+00	5.4761E-05	2.4071E+20	3.6581E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 576.0000	Atmosphere	Sump	
Noble gases (atoms)	4.9642E+23	0.0000E+00	
Elemental I (atoms)	9.4902E+18	0.0000E+00	
Organic I (atoms)	2.9351E+17	0.0000E+00	
Aerosols (kg)	6.2112E-05	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.6941E-07
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		1.6941E-07
Total I (Ci)			2.6385E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 576.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 576.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 576.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9661E+04	1.0471E-06	7.2483E+18	1.0975E+15
Kr-88	4.3504E+04	3.4694E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09

	CRDA GAP	MVP TRIP 10	MIN TSC.o0	
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5078E+02	9.2110E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3569E+03	5.0865E-08	2.2860E+17	5.0206E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

	Total Release	Release Rate/s	
Time (h) = 576.0000			
Noble gases (atoms)	1.7251E+23	8.3193E+16	
Elemental I (atoms)	3.2971E+19	1.5900E+13	
Organic I (atoms)	1.0197E+18	4.9176E+11	
Aerosols (kg)	2.1095E-05	1.0173E-11	
Dose Effective (Ci) I-131 (Thyroid)			9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2414E+03
Total I (Ci)			5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 576.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16
Aerosols (kg)	6.2256E-07

Normal Environment to TSC Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 576.0000		
Noble gases (atoms)	0.0000E+00	3.5674E+18
Elemental I (atoms)	0.0000E+00	6.3179E+14
Organic I (atoms)	0.0000E+00	1.9540E+13
Aerosols (kg)	0.0000E+00	4.3664E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 576.0000		
Noble gases (atoms)	3.5627E+18	0.0000E+00
Elemental I (atoms)	6.2074E+14	0.0000E+00
Organic I (atoms)	1.9198E+13	0.0000E+00
Aerosols (kg)	4.3614E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 576.0000		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

	Ci	kg	Atoms	Decay
Time (h) = 576.0000				
Kr-85	2.0798E+02	5.3011E-04	3.7557E+21	1.5991E+19
Kr-85m	3.0824E+03	3.7455E-03	2.6537E+22	2.3755E+20

	CRDA GAP	MVP TRIP 10	MIN TSC.o0	
Rb-86	2.2548E-03	2.7712E-11	1.9405E+14	2.7921E+14
I-131	1.6114E+01	1.2998E-07	5.9751E+17	4.1335E+18
I-133	1.1758E-06	1.0379E-15	4.6996E+09	1.0195E+18
Xe-133	1.0292E+03	5.4984E-06	2.4897E+19	5.6866E+20
Cs-134	5.8002E-01	4.4830E-07	2.0147E+18	4.4997E+16
Cs-136	4.6352E-02	6.3243E-10	2.8004E+15	7.1706E+15
Cs-137	2.9090E-01	3.3443E-06	1.4701E+19	2.2336E+16

MVP Holdup Transport Group Inventory:

Time (h) = 576.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0317E+22	0.0000E+00	
Elemental I (atoms)	5.7958E+17	0.0000E+00	
Organic I (atoms)	1.7925E+16	0.0000E+00	
Aerosols (kg)	3.7933E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.8065E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			1.8065E-07
Total I (Ci)			1.6114E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 576.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 576.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 600.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 600.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	1.9215E+00	2.7399E+01	2.7913E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 600.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	8.4496E-01	1.1721E+01	1.2173E+00

TSC Doses:

Time (h) = 600.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.0180-195	5.3580-192	1.7707-193
Accumulated dose (rem)	1.8388E-02	1.6201E+01	5.2669E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 600.0000	Ci	kg	Atoms	Decay
Kr-85	3.4049E+03	8.6786E-03	6.1487E+22	2.7278E+20
Kr-85m	5.0453E+04	6.1308E-02	4.3436E+23	4.0519E+21
Rb-86	3.5575E-02	4.3721E-10	3.0616E+15	4.6891E+15
I-131	2.4206E+02	1.9525E-06	8.9756E+18	6.8524E+19

	CRDA	GAP	MVP	TRIP	10	MIN	TSC.o0
I-133	8.6524E-06	7.6380E-15	3.4584E+10	1.6748E+19			
Xe-133	1.4766E+04	7.8887E-05	3.5719E+20	9.3682E+21			
Cs-134	9.4887E+00	7.3338E-06	3.2959E+19	7.6730E+17			
Cs-136	7.1986E-01	9.8219E-09	4.3492E+16	1.1982E+17			
Cs-137	4.7629E+00	5.4758E-05	2.4070E+20	3.8104E+17			

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 600.0000	Atmosphere	Sump	
Noble gases (atoms)	4.9620E+23	0.0000E+00	
Elemental I (atoms)	8.7063E+18	0.0000E+00	
Organic I (atoms)	2.6927E+17	0.0000E+00	
Aerosols (kg)	6.2102E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.5542E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			1.5542E-07
Total I (Ci)			2.4206E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 600.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 600.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 600.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9661E+04	1.0471E-06	7.2483E+18	1.0975E+15
Kr-88	4.3504E+04	3.4694E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5078E+02	9.2110E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3569E+03	5.0865E-08	2.2860E+17	5.0206E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

Time (h) = 600.0000	Total Release	Release Rate/s	
Noble gases (atoms)	1.7251E+23	7.9866E+16	
Elemental I (atoms)	3.2971E+19	1.5264E+13	
Organic I (atoms)	1.0197E+18	4.7209E+11	
Aerosols (kg)	2.1095E-05	9.7662E-12	
Dose Effective (Ci) I-131 (Thyroid)			9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2414E+03
Total I (Ci)			5.6863E+03

CRDA GAP MVP TRIP 10 MIN TSC.o0

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 600.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16
Aerosols (kg)	6.2256E-07

Normal Environment to TSC Transport Group Inventory:

Time (h) = 600.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	3.5674E+18
Elemental I (atoms)	0.0000E+00	6.3179E+14
Organic I (atoms)	0.0000E+00	1.9540E+13
Aerosols (kg)	0.0000E+00	4.3664E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 600.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	3.5627E+18	0.0000E+00
Elemental I (atoms)	6.2074E+14	0.0000E+00
Organic I (atoms)	1.9198E+13	0.0000E+00
Aerosols (kg)	4.3614E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 600.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 600.0000	Ci	kg	Atoms	Decay
Kr-85	2.0794E+02	5.3001E-04	3.7551E+21	1.6656E+19
Kr-85m	3.0813E+03	3.7442E-03	2.6527E+22	2.4740E+20
Rb-86	2.1726E-03	2.6701E-11	1.8698E+14	2.8628E+14
I-131	1.4783E+01	1.1924E-07	5.4815E+17	4.1828E+18
I-133	5.2842E-07	4.6647E-16	2.1121E+09	1.0195E+18
Xe-133	9.0180E+02	4.8178E-06	2.1814E+19	5.7174E+20
Cs-134	5.7949E-01	4.4789E-07	2.0129E+18	4.6850E+16
Cs-136	4.3963E-02	5.9984E-10	2.6561E+15	7.3149E+15
Cs-137	2.9088E-01	3.3441E-06	1.4700E+19	2.3266E+16

MVP Holdup Transport Group Inventory:

Time (h) = 600.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0304E+22	0.0000E+00	
Elemental I (atoms)	5.3171E+17	0.0000E+00	
Organic I (atoms)	1.6445E+16	0.0000E+00	
Aerosols (kg)	3.7926E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.6573E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			1.6573E-07
Total I (Ci)			1.4783E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 600.0000	Pathway	
	Filtered	Transported

	CRDA	GAP	MVP TRIP	10 MIN	TSC.o0
Noble gases (atoms)	0.0000E+00		1.9857E+23		
Elemental I (atoms)	0.0000E+00		3.8180E+19		
Organic I (atoms)	0.0000E+00		1.1808E+18		
Aerosols (kg)	0.0000E+00		2.4281E-05		

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 600.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 624.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 624.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	1.9215E+00	2.7399E+01	2.7913E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 624.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	8.4496E-01	1.1721E+01	1.2173E+00

TSC Doses:

Time (h) = 624.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.7175E-203	2.8239E-200	9.3962E-202
Accumulated dose (rem)	1.8388E-02	1.6201E+01	5.2669E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 624.0000	Ci	kg	Atoms	Decay
Kr-85	3.4043E+03	8.6770E-03	6.1476E+22	2.8367E+20
Kr-85m	5.0435E+04	6.1285E-02	4.3420E+23	4.2132E+21
Rb-86	3.4278E-02	4.2127E-10	2.9499E+15	4.8008E+15
I-131	2.2206E+02	1.7912E-06	8.2342E+18	6.9266E+19
I-133	3.8886E-06	3.4327E-15	1.5543E+10	1.6748E+19
Xe-133	1.2938E+04	6.9121E-05	3.1298E+20	9.4124E+21
Cs-134	9.4800E+00	7.3271E-06	3.2929E+19	7.9762E+17
Cs-136	6.8276E-01	9.3157E-09	4.1250E+16	1.2206E+17
Cs-137	4.7626E+00	5.4754E-05	2.4068E+20	3.9626E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 624.0000	Atmosphere	Sump	
Noble gases (atoms)	4.9598E+23	0.0000E+00	
Elemental I (atoms)	7.9872E+18	0.0000E+00	
Organic I (atoms)	2.4703E+17	0.0000E+00	
Aerosols (kg)	6.2091E-05	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.4258E-07
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		1.4258E-07
Total I (Ci)			2.2206E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 624.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16

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6.2256E-07

Aerosols (kg)

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 624.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 624.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9661E+04	1.0471E-06	7.2483E+18	1.0975E+15
Kr-88	4.3504E+04	3.4694E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5078E+02	9.2110E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3569E+03	5.0865E-08	2.2860E+17	5.0206E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

Time (h) = 624.0000	Total Release	Release Rate/s
Noble gases (atoms)	1.7251E+23	7.6794E+16
Elemental I (atoms)	3.2971E+19	1.4677E+13
Organic I (atoms)	1.0197E+18	4.5393E+11
Aerosols (kg)	2.1095E-05	9.3906E-12
Dose Effective (Ci) I-131 (Thyroid)		9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		1.2414E+03
Total I (Ci)		5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 624.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16
Aerosols (kg)	6.2256E-07

Normal Environment to TSC Transport Group Inventory:

Time (h) = 624.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	3.5674E+18
Elemental I (atoms)	0.0000E+00	6.3179E+14
Organic I (atoms)	0.0000E+00	1.9540E+13
Aerosols (kg)	0.0000E+00	4.3664E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 624.0000	Pathway	
	Filtered	Transported

	CRDA	GAP	MVP	TRIP	10	MIN	TSC.o0
Noble gases (atoms)	3.5627E+18	0.0000E+00					
Elemental I (atoms)	6.2074E+14	0.0000E+00					
Organic I (atoms)	1.9198E+13	0.0000E+00					
Aerosols (kg)	4.3614E-10	0.0000E+00					

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 624.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 624.0000	Ci	kg	Atoms	Decay
Kr-85	2.0791E+02	5.2992E-04	3.7544E+21	1.7321E+19
Kr-85m	3.0801E+03	3.7428E-03	2.6517E+22	2.5725E+20
Rb-86	2.0934E-03	2.5728E-11	1.8016E+14	2.9310E+14
I-131	1.3562E+01	1.0939E-07	5.0287E+17	4.2281E+18
I-133	2.3748E-07	2.0964E-16	9.4924E+08	1.0195E+18
Xe-133	7.9016E+02	4.2214E-06	1.9114E+19	5.7444E+20
Cs-134	5.7896E-01	4.4748E-07	2.0110E+18	4.8702E+16
Cs-136	4.1697E-02	5.6893E-10	2.5192E+15	7.4518E+15
Cs-137	2.9086E-01	3.3439E-06	1.4699E+19	2.4196E+16

MVP Holdup Transport Group Inventory:

Time (h) = 624.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0291E+22	0.0000E+00	
Elemental I (atoms)	4.8779E+17	0.0000E+00	
Organic I (atoms)	1.5086E+16	0.0000E+00	
Aerosols (kg)	3.7920E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.5204E-07
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		1.5204E-07
Total I (Ci)			1.3562E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 624.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 624.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 648.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 648.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	1.9215E+00	2.7399E+01	2.7913E+00

CRDA GAP MVP TRIP 10 MIN TSC.o0

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 648.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	8.4496E-01	1.1721E+01	1.2173E+00

TSC Doses:

Time (h) = 648.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	9.7842E-21	1.4883E-20	4.9888E-21
Accumulated dose (rem)	1.8388E-02	1.6201E+01	5.2669E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 648.0000	Ci	kg	Atoms	Decay
Kr-85	3.4037E+03	8.6755E-03	6.1465E+22	2.9455E+20
Kr-85m	5.0416E+04	6.1262E-02	4.3403E+23	4.3744E+21
Rb-86	3.3028E-02	4.0591E-10	2.8424E+15	4.9083E+15
I-131	2.0372E+02	1.6432E-06	7.5540E+18	6.9946E+19
I-133	1.7476E-06	1.5427E-15	6.9854E+09	1.6748E+19
Xe-133	1.1337E+04	6.0565E-05	2.7423E+20	9.4511E+21
Cs-134	9.4712E+00	7.3203E-06	3.2898E+19	8.2791E+17
Cs-136	6.4757E-01	8.8356E-09	3.9124E+16	1.2419E+17
Cs-137	4.7623E+00	5.4751E-05	2.4067E+20	4.1149E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 648.0000	Atmosphere	Sump	
Noble gases (atoms)	4.9577E+23	0.0000E+00	
Elemental I (atoms)	7.3274E+18	0.0000E+00	
Organic I (atoms)	2.2662E+17	0.0000E+00	
Aerosols (kg)	6.2080E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.3081E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			1.3081E-07
Total I (Ci)			2.0372E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 648.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 648.0000	Pathway	Transported
Noble gases (atoms)	Filtered	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 648.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9661E+04	1.0471E-06	7.2483E+18	1.0975E+15
Kr-88	4.3504E+04	3.4694E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5078E+02	9.2110E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13

	CRDA GAP	MVP TRIP 10	MIN TSC.00	
I-134	1.3569E+03	5.0865E-08	2.2860E+17	5.0206E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

	Total Release	Release Rate/s	
Time (h) = 648.0000			
Noble gases (atoms)	1.7251E+23	7.3950E+16	
Elemental I (atoms)	3.2971E+19	1.4134E+13	
Organic I (atoms)	1.0197E+18	4.3712E+11	
Aerosols (kg)	2.1095E-05	9.0428E-12	
Dose Effective (Ci) I-131 (Thyroid)			9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2414E+03
Total I (Ci)			5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 648.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16
Aerosols (kg)	6.2256E-07

Normal Environment to TSC Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 648.0000		
Noble gases (atoms)	0.0000E+00	3.5674E+18
Elemental I (atoms)	0.0000E+00	6.3179E+14
Organic I (atoms)	0.0000E+00	1.9540E+13
Aerosols (kg)	0.0000E+00	4.3664E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 648.0000		
Noble gases (atoms)	3.5627E+18	0.0000E+00
Elemental I (atoms)	6.2074E+14	0.0000E+00
Organic I (atoms)	1.9198E+13	0.0000E+00
Aerosols (kg)	4.3614E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 648.0000		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 648.0000	Ci	kg	Atoms	Decay
Kr-85	2.0787E+02	5.2983E-04	3.7538E+21	1.7985E+19
Kr-85m	3.0790E+03	3.7414E-03	2.6507E+22	2.6710E+20
Rb-86	2.0171E-03	2.4789E-11	1.7359E+14	2.9967E+14
I-131	1.2441E+01	1.0035E-07	4.6134E+17	4.2697E+18
I-133	1.0673E-07	9.4218E-17	4.2661E+08	1.0195E+18

	CRDA	GAP	MVP	TRIP	10	MIN	TSC.o0
Xe-133	6.9234E+02	3.6988E-06	1.6748E+19	5.7681E+20			
Cs-134	5.7842E-01	4.4706E-07	2.0092E+18	5.0552E+16			
Cs-136	3.9548E-02	5.3961E-10	2.3894E+15	7.5816E+15			
Cs-137	2.9084E-01	3.3437E-06	1.4698E+19	2.5125E+16			

MVP Holdup Transport Group Inventory:

Time (h) = 648.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0278E+22	0.0000E+00	
Elemental I (atoms)	4.4750E+17	0.0000E+00	
Organic I (atoms)	1.3840E+16	0.0000E+00	
Aerosols (kg)	3.7913E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.3948E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			1.3948E-07
Total I (Ci)			1.2441E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	Transported
Time (h) = 648.0000	Filtered	
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	Transported
Time (h) = 648.0000	Filtered	
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 672.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 672.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	1.9215E+00	2.7399E+01	2.7913E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 672.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	8.4496E-01	1.1721E+01	1.2173E+00

TSC Doses:

Time (h) = 672.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	5.5787-220	7.8444-217	2.6504-218
Accumulated dose (rem)	1.8388E-02	1.6201E+01	5.2669E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 672.0000	Ci	kg	Atoms	Decay
Kr-85	3.4031E+03	8.6740E-03	6.1454E+22	3.0543E+20
Kr-85m	5.0397E+04	6.1239E-02	4.3387E+23	4.5355E+21
Rb-86	3.1823E-02	3.9111E-10	2.7387E+15	5.0120E+15
I-131	1.8689E+02	1.5075E-06	6.9301E+18	7.0570E+19
I-133	7.8543E-07	6.9335E-16	3.1394E+09	1.6748E+19
Xe-133	9.9332E+03	5.3067E-05	2.4028E+20	9.4851E+21
Cs-134	9.4625E+00	7.3136E-06	3.2868E+19	8.5817E+17

	CRDA GAP MVP TRIP 10 MIN TSC.o0			
Cs-136	6.1420E-01	8.3803E-09	3.7108E+16	1.2620E+17
Cs-137	4.7620E+00	5.4747E-05	2.4065E+20	4.2671E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 672.0000	Atmosphere	Sump	
Noble gases (atoms)	4.9557E+23	0.0000E+00	
Elemental I (atoms)	6.7222E+18	0.0000E+00	
Organic I (atoms)	2.0790E+17	0.0000E+00	
Aerosols (kg)	6.2070E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.2000E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			1.2000E-07
Total I (Ci)			1.8689E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 672.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 672.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 672.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9661E+04	1.0471E-06	7.2483E+18	1.0975E+15
Kr-88	4.3504E+04	3.4694E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5078E+02	9.2110E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3569E+03	5.0865E-08	2.2860E+17	5.0206E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

Time (h) = 672.0000	Total Release	Release Rate/s	
Noble gases (atoms)	1.7251E+23	7.1309E+16	
Elemental I (atoms)	3.2971E+19	1.3629E+13	
Organic I (atoms)	1.0197E+18	4.2151E+11	
Aerosols (kg)	2.1095E-05	8.7199E-12	
Dose Effective (Ci) I-131 (Thyroid)			9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2414E+03
Total I (Ci)			5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 672.0000 Leakage Transport

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Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16
Aerosols (kg)	6.2256E-07

Normal Environment to TSC Transport Group Inventory:

Time (h) = 672.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	3.5674E+18
Elemental I (atoms)	0.0000E+00	6.3179E+14
Organic I (atoms)	0.0000E+00	1.9540E+13
Aerosols (kg)	0.0000E+00	4.3664E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 672.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	3.5627E+18	0.0000E+00
Elemental I (atoms)	6.2074E+14	0.0000E+00
Organic I (atoms)	1.9198E+13	0.0000E+00
Aerosols (kg)	4.3614E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 672.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 672.0000	Ci	kg	Atoms	Decay
Kr-85	2.0783E+02	5.2973E-04	3.7531E+21	1.8650E+19
Kr-85m	3.0778E+03	3.7400E-03	2.6497E+22	2.7694E+20
Rb-86	1.9435E-03	2.3886E-11	1.6726E+14	3.0600E+14
I-131	1.1414E+01	9.2066E-08	4.2323E+17	4.3078E+18
I-133	4.7968E-08	4.2344E-17	1.9173E+08	1.0195E+18
Xe-133	6.0664E+02	3.2409E-06	1.4675E+19	5.7888E+20
Cs-134	5.7789E-01	4.4665E-07	2.0073E+18	5.2400E+16
Cs-136	3.7510E-02	5.1180E-10	2.2663E+15	7.7048E+15
Cs-137	2.9082E-01	3.3435E-06	1.4697E+19	2.6055E+16

MVP Holdup Transport Group Inventory:

Time (h) = 672.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0265E+22	0.0000E+00	
Elemental I (atoms)	4.1053E+17	0.0000E+00	
Organic I (atoms)	1.2697E+16	0.0000E+00	
Aerosols (kg)	3.7907E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.2796E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			1.2796E-07
Total I (Ci)			1.1414E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 672.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18

Aerosols (kg) CRDA GAP MVP TRIP 10 MIN TSC.o0
 0.0000E+00 2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 672.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (h) = 696.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 696.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	1.9215E+00	2.7399E+01	2.7913E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 696.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	8.4496E-01	1.1721E+01	1.2173E+00

TSC Doses:

Time (h) = 696.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.1833-228	4.1345-225	1.4090-226
Accumulated dose (rem)	1.8388E-02	1.6201E+01	5.2669E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 696.0000	Ci	kg	Atoms	Decay
Kr-85	3.4025E+03	8.6724E-03	6.1443E+22	3.1631E+20
Kr-85m	5.0378E+04	6.1217E-02	4.3371E+23	4.6966E+21
Rb-86	3.0663E-02	3.7685E-10	2.6389E+15	5.1119E+15
I-131	1.7145E+02	1.3830E-06	6.3576E+18	7.1142E+19
I-133	3.5299E-07	3.1161E-16	1.4109E+09	1.6748E+19
Xe-133	8.7035E+03	4.6498E-05	2.1054E+20	9.5148E+21
Cs-134	9.4538E+00	7.3069E-06	3.2838E+19	8.8841E+17
Cs-136	5.8254E-01	7.9484E-09	3.5196E+16	1.2812E+17
Cs-137	4.7617E+00	5.4744E-05	2.4064E+20	4.4193E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 696.0000	Atmosphere	Sump
Noble gases (atoms)	4.9537E+23	0.0000E+00
Elemental I (atoms)	6.1669E+18	0.0000E+00
Organic I (atoms)	1.9073E+17	0.0000E+00
Aerosols (kg)	6.2059E-05	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.1009E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		1.1009E-07
Total I (Ci)		1.7145E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 696.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

CRDA GAP MVP TRIP 10 MIN TSC.o0

Time (h) = 696.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 696.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9661E+04	1.0471E-06	7.2483E+18	1.0975E+15
Kr-88	4.3504E+04	3.4694E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5078E+02	9.2110E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3569E+03	5.0865E-08	2.2860E+17	5.0206E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

Time (h) = 696.0000	Total Release	Release Rate/s
Noble gases (atoms)	1.7251E+23	6.8850E+16
Elemental I (atoms)	3.2971E+19	1.3159E+13
Organic I (atoms)	1.0197E+18	4.0697E+11
Aerosols (kg)	2.1095E-05	8.4192E-12
Dose Effective (Ci) I-131 (Thyroid)		9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		1.2414E+03
Total I (Ci)		5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 696.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16
Aerosols (kg)	6.2256E-07

Normal Environment to TSC Transport Group Inventory:

Time (h) = 696.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	3.5674E+18
Elemental I (atoms)	0.0000E+00	6.3179E+14
Organic I (atoms)	0.0000E+00	1.9540E+13
Aerosols (kg)	0.0000E+00	4.3664E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 696.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	3.5627E+18	0.0000E+00
Elemental I (atoms)	6.2074E+14	0.0000E+00
Organic I (atoms)	1.9198E+13	0.0000E+00

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Aerosols (kg) 4.3614E-10 0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 696.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 696.0000	Ci	kg	Atoms	Decay
Kr-85	2.0780E+02	5.2964E-04	3.7524E+21	1.9314E+19
Kr-85m	3.0767E+03	3.7386E-03	2.6487E+22	2.8678E+20
Rb-86	1.8726E-03	2.3015E-11	1.6116E+14	3.1210E+14
I-131	1.0471E+01	8.4461E-08	3.8827E+17	4.3427E+18
I-133	2.1558E-08	1.9031E-17	8.6169E+07	1.0195E+18
Xe-133	5.3154E+02	2.8397E-06	1.2858E+19	5.8070E+20
Cs-134	5.7736E-01	4.4624E-07	2.0055E+18	5.4247E+16
Cs-136	3.5577E-02	4.8542E-10	2.1495E+15	7.8216E+15
Cs-137	2.9081E-01	3.3433E-06	1.4696E+19	2.6985E+16

MVP Holdup Transport Group Inventory:

Time (h) = 696.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0253E+22	0.0000E+00	
Elemental I (atoms)	3.7662E+17	0.0000E+00	
Organic I (atoms)	1.1648E+16	0.0000E+00	
Aerosols (kg)	3.7900E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.1739E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			1.1739E-07
Total I (Ci)			1.0471E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 696.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 696.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 720.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 720.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	0.0000E+00	0.0000E+00	0.0000E+00
Accumulated dose (rem)	1.9215E+00	2.7399E+01	2.7913E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 720.0000	whole Body	Thyroid	TEDE

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Delta dose (rem) 0.0000E+00 0.0000E+00 0.0000E+00
 Accumulated dose (rem) 8.4496E-01 1.1721E+01 1.2173E+00

TSC Doses:

Time (h) = 720.0000 Whole Body Thyroid TEDE
 Delta dose (rem) 1.8177-236 2.1792-233 7.4959-235
 Accumulated dose (rem) 1.8388E-02 1.6201E+01 5.2669E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 720.0000	Ci	kg	Atoms	Decay
Kr-85	3.4019E+03	8.6709E-03	6.1432E+22	3.2718E+20
Kr-85m	5.0360E+04	6.1194E-02	4.3355E+23	4.8576E+21
Rb-86	2.9545E-02	3.6310E-10	2.5426E+15	5.2081E+15
I-131	1.5729E+02	1.2687E-06	5.8325E+18	7.1667E+19
I-133	1.5864E-07	1.4005E-16	6.3411E+08	1.6748E+19
Xe-133	7.6261E+03	4.0742E-05	1.8447E+20	9.5409E+21
Cs-134	9.4451E+00	7.3001E-06	3.2808E+19	9.1862E+17
Cs-136	5.5252E-01	7.5387E-09	3.3382E+16	1.2993E+17
Cs-137	4.7614E+00	5.4740E-05	2.4062E+20	4.5716E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 720.0000	Atmosphere	Sump	
Noble gases (atoms)	4.9517E+23	0.0000E+00	
Elemental I (atoms)	5.6575E+18	0.0000E+00	
Organic I (atoms)	1.7497E+17	0.0000E+00	
Aerosols (kg)	6.2048E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.0100E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			1.0100E-07
Total I (Ci)			1.5729E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 720.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 720.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 720.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9661E+04	1.0471E-06	7.2483E+18	1.0975E+15
Kr-88	4.3504E+04	3.4694E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5078E+02	9.2110E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3569E+03	5.0865E-08	2.2860E+17	5.0206E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15

	CRDA GAP	MVP TRIP 10	MIN TSC.00	
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

	Total Release	Release Rate/s	
Time (h) = 720.0000			
Noble gases (atoms)	1.7251E+23	6.6555E+16	
Elemental I (atoms)	3.2971E+19	1.2720E+13	
Organic I (atoms)	1.0197E+18	3.9341E+11	
Aerosols (kg)	2.1095E-05	8.1385E-12	
Dose Effective (Ci) I-131 (Thyroid)			9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2414E+03
Total I (Ci)			5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 720.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5047E+17
Organic I (atoms)	2.6303E+16
Aerosols (kg)	6.2256E-07

Normal Environment to TSC Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 720.0000		
Noble gases (atoms)	0.0000E+00	3.5674E+18
Elemental I (atoms)	0.0000E+00	6.3179E+14
Organic I (atoms)	0.0000E+00	1.9540E+13
Aerosols (kg)	0.0000E+00	4.3664E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 720.0000		
Noble gases (atoms)	3.5627E+18	0.0000E+00
Elemental I (atoms)	6.2074E+14	0.0000E+00
Organic I (atoms)	1.9198E+13	0.0000E+00
Aerosols (kg)	4.3614E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 720.0000		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 720.0000	Ci	kg	Atoms	Decay
Kr-85	2.0776E+02	5.2955E-04	3.7518E+21	1.9978E+19
Kr-85m	3.0755E+03	3.7372E-03	2.6478E+22	2.9661E+20
Rb-86	1.8044E-03	2.2175E-11	1.5528E+14	3.1798E+14
I-131	9.6061E+00	7.7484E-08	3.5620E+17	4.3748E+18
I-133	9.6887E-09	8.5528E-18	3.8726E+07	1.0195E+18
Xe-133	4.6574E+02	2.4882E-06	1.1266E+19	5.8229E+20
Cs-134	5.7683E-01	4.4583E-07	2.0036E+18	5.6092E+16
Cs-136	3.3743E-02	4.6040E-10	2.0387E+15	7.9323E+15

CRDA GAP MVP TRIP 10 MIN TSC.o0
 Cs-137 2.9079E-01 3.3431E-06 1.4695E+19 2.7914E+16

MVP Holdup Transport Group Inventory:

Time (h) = 720.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0241E+22	0.0000E+00	
Elemental I (atoms)	3.4551E+17	0.0000E+00	
Organic I (atoms)	1.0686E+16	0.0000E+00	
Aerosols (kg)	3.7894E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.0769E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			1.0769E-07
Total I (Ci)			9.6061E+00

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 720.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 720.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

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 I-131 Summary
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Time (hr)	DAEC Condenser - CRDA I-131 (Curies)	Environment I-131 (Curies)	TSC I-131 (Curies)
0.000	1.1693E+03	4.0315E-03	2.3457E-08
0.001	2.9191E+03	6.2401E-02	3.6302E-07
0.167	2.1087E+03	6.8522E+02	3.7606E-03
0.500	2.1058E+03	6.8551E+02	3.1197E-03
0.800	2.1033E+03	6.8578E+02	2.6711E-03
1.100	2.1008E+03	6.8604E+02	2.3173E-03
1.400	2.0983E+03	6.8630E+02	2.0383E-03
1.700	2.0957E+03	6.8656E+02	1.8181E-03
2.000	2.0932E+03	6.8683E+02	1.6444E-03
2.300	2.0907E+03	6.8709E+02	1.4796E-03
2.600	2.0882E+03	6.8735E+02	1.3495E-03
2.900	2.0857E+03	6.8761E+02	1.2468E-03
3.200	2.0832E+03	6.8787E+02	1.1656E-03
3.500	2.0807E+03	6.8813E+02	1.1014E-03
3.800	2.0782E+03	6.8839E+02	1.0506E-03
4.100	2.0757E+03	6.8865E+02	1.0104E-03
4.400	2.0732E+03	6.8891E+02	9.7846E-04
4.700	2.0707E+03	6.8917E+02	9.5308E-04
5.000	2.0682E+03	6.8943E+02	9.3286E-04
5.300	2.0657E+03	6.8968E+02	9.1671E-04
5.600	2.0632E+03	6.8994E+02	9.0376E-04
5.900	2.0607E+03	6.9020E+02	8.9334E-04
6.200	2.0583E+03	6.9046E+02	8.8492E-04
6.500	2.0558E+03	6.9072E+02	8.7806E-04
6.800	2.0533E+03	6.9097E+02	8.7244E-04

CRDA GAP MVP TRIP 10 MIN TSC.o0

7.100	2.0509E+03	6.9123E+02	8.6779E-04
7.400	2.0484E+03	6.9148E+02	8.6391E-04
7.700	2.0459E+03	6.9174E+02	8.6064E-04
8.000	2.0435E+03	6.9200E+02	8.5784E-04
8.300	2.0410E+03	6.9225E+02	7.5740E-04
8.600	2.0386E+03	6.9251E+02	6.7816E-04
8.900	2.0361E+03	6.9276E+02	6.1562E-04
9.200	2.0337E+03	6.9301E+02	5.6624E-04
9.500	2.0312E+03	6.9327E+02	5.2723E-04
9.800	2.0288E+03	6.9352E+02	4.9639E-04
10.100	2.0263E+03	6.9378E+02	4.7199E-04
10.400	2.0239E+03	6.9403E+02	4.5267E-04
24.000	1.9165E+03	7.0517E+02	3.6227E-04
96.000	1.4797E+03	7.0517E+02	5.3010E-29
720.000	1.5729E+02	7.0517E+02	3.0934-244

Time (hr)	MVP Holdup I-131 (Curies)
0.000	6.3390E-01
0.001	3.9174E+00
0.167	1.2751E+02
0.500	1.2735E+02
0.800	1.2722E+02
1.100	1.2708E+02
1.400	1.2694E+02
1.700	1.2681E+02
2.000	1.2667E+02
2.300	1.2653E+02
2.600	1.2640E+02
2.900	1.2626E+02
3.200	1.2613E+02
3.500	1.2599E+02
3.800	1.2585E+02
4.100	1.2572E+02
4.400	1.2558E+02
4.700	1.2545E+02
5.000	1.2531E+02
5.300	1.2518E+02
5.600	1.2504E+02
5.900	1.2491E+02
6.200	1.2477E+02
6.500	1.2464E+02
6.800	1.2450E+02
7.100	1.2437E+02
7.400	1.2424E+02
7.700	1.2410E+02
8.000	1.2397E+02
8.300	1.2384E+02
8.600	1.2370E+02
8.900	1.2357E+02
9.200	1.2344E+02
9.500	1.2330E+02
9.800	1.2317E+02
10.100	1.2304E+02
10.400	1.2290E+02
24.000	1.1704E+02
96.000	9.0371E+01
720.000	9.6061E+00

 Cumulative Dose Summary
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CRDA GAP MVP TRIP 10 MIN TSC.o0

Time (hr)	CRDA @ EAB - Condense		CRDA @ LPZ - Condense		TSC	
	Thyroid (rem)	TEDE (rem)	Thyroid (rem)	TEDE (rem)	Thyroid (rem)	TEDE (rem)
0.000	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.001	2.2990E-03	2.4416E-04	1.0301E-03	1.0940E-04	1.3754E-07	4.7480E-09
0.167	2.5236E+01	2.6578E+00	1.1308E+01	1.1909E+00	2.9365E-01	1.0120E-02
0.500	2.5322E+01	2.6663E+00	1.1328E+01	1.1930E+00	1.4038E+00	4.8170E-02
0.800	2.5398E+01	2.6736E+00	1.1347E+01	1.1947E+00	2.2422E+00	7.6698E-02
1.100	2.5474E+01	2.6805E+00	1.1365E+01	1.1964E+00	2.9618E+00	1.0103E-01
1.400	2.5549E+01	2.6870E+00	1.1383E+01	1.1979E+00	3.5879E+00	1.2209E-01
1.700	2.5624E+01	2.6932E+00	1.1401E+01	1.1994E+00	4.1404E+00	1.4058E-01
2.000	2.5699E+01	2.6991E+00	1.1419E+01	1.2008E+00	4.6349E+00	1.5704E-01
2.300	2.5744E+01	2.7026E+00	1.1428E+01	1.2015E+00	5.0794E+00	1.7179E-01
2.600	2.5790E+01	2.7059E+00	1.1436E+01	1.2021E+00	5.4807E+00	1.8504E-01
2.900	2.5835E+01	2.7091E+00	1.1445E+01	1.2027E+00	5.8479E+00	1.9713E-01
3.200	2.5880E+01	2.7122E+00	1.1453E+01	1.2033E+00	6.1880E+00	2.0829E-01
3.500	2.5925E+01	2.7152E+00	1.1462E+01	1.2039E+00	6.5067E+00	2.1872E-01
3.800	2.5970E+01	2.7181E+00	1.1470E+01	1.2044E+00	6.8084E+00	2.2856E-01
4.100	2.6014E+01	2.7208E+00	1.1478E+01	1.2049E+00	7.0964E+00	2.3794E-01
4.400	2.6058E+01	2.7235E+00	1.1487E+01	1.2054E+00	7.3736E+00	2.4694E-01
4.700	2.6103E+01	2.7261E+00	1.1495E+01	1.2059E+00	7.6420E+00	2.5564E-01
5.000	2.6147E+01	2.7286E+00	1.1503E+01	1.2064E+00	7.9034E+00	2.6409E-01
5.300	2.6190E+01	2.7311E+00	1.1512E+01	1.2069E+00	8.1590E+00	2.7233E-01
5.600	2.6234E+01	2.7335E+00	1.1520E+01	1.2073E+00	8.4099E+00	2.8042E-01
5.900	2.6277E+01	2.7358E+00	1.1528E+01	1.2077E+00	8.6569E+00	2.8836E-01
6.200	2.6320E+01	2.7381E+00	1.1536E+01	1.2082E+00	8.9006E+00	2.9619E-01
6.500	2.6364E+01	2.7404E+00	1.1544E+01	1.2086E+00	9.1417E+00	3.0392E-01
6.800	2.6406E+01	2.7425E+00	1.1552E+01	1.2090E+00	9.3804E+00	3.1156E-01
7.100	2.6449E+01	2.7447E+00	1.1560E+01	1.2094E+00	9.6171E+00	3.1913E-01
7.400	2.6492E+01	2.7468E+00	1.1568E+01	1.2098E+00	9.8520E+00	3.2664E-01
7.700	2.6534E+01	2.7488E+00	1.1576E+01	1.2102E+00	1.0085E+01	3.3409E-01
8.000	2.6576E+01	2.7508E+00	1.1584E+01	1.2106E+00	1.0317E+01	3.4148E-01
8.300	2.6593E+01	2.7519E+00	1.1587E+01	1.2107E+00	1.0534E+01	3.4839E-01
8.600	2.6610E+01	2.7529E+00	1.1590E+01	1.2109E+00	1.0727E+01	3.5452E-01
8.900	2.6626E+01	2.7539E+00	1.1592E+01	1.2111E+00	1.0900E+01	3.6002E-01
9.200	2.6643E+01	2.7549E+00	1.1595E+01	1.2112E+00	1.1058E+01	3.6503E-01
9.500	2.6659E+01	2.7559E+00	1.1598E+01	1.2114E+00	1.1204E+01	3.6965E-01
9.800	2.6676E+01	2.7568E+00	1.1601E+01	1.2116E+00	1.1340E+01	3.7397E-01
10.100	2.6692E+01	2.7577E+00	1.1603E+01	1.2117E+00	1.1468E+01	3.7804E-01
10.400	2.6708E+01	2.7586E+00	1.1606E+01	1.2119E+00	1.1591E+01	3.8192E-01
24.000	2.7399E+01	2.7913E+00	1.1721E+01	1.2173E+00	1.5967E+01	5.1938E-01
96.000	2.7399E+01	2.7913E+00	1.1721E+01	1.2173E+00	1.6201E+01	5.2669E-01
720.000	2.7399E+01	2.7913E+00	1.1721E+01	1.2173E+00	1.6201E+01	5.2669E-01

Worst Two-Hour Doses
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CRDA GAP MVP TRIP 10 MIN.00

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	0.9300	Whole Body	Thyroid	TEDE
Delta dose (rem)		3.5705E-05	6.0768E-04	5.4935E-05
Accumulated dose (rem)		8.3454E-01	1.1355E+01	1.1954E+00

Control Room Doses:

Time (h) =	0.9300	Whole Body	Thyroid	TEDE
Delta dose (rem)		8.4879E-05	2.9835E-02	1.0290E-03
Accumulated dose (rem)		1.5204E-02	4.6826E+00	1.6374E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	0.9300	Ci	kg	Atoms	Decay
Kr-85		3.4530E+03	8.8012E-03	6.2355E+22	4.3414E+17
Kr-85m		5.1415E+04	6.2476E-02	4.4264E+23	6.4643E+18
Kr-87		5.8864E+04	2.0781E-06	1.4385E+19	9.6719E+18
Kr-88		1.0955E+05	8.7363E-06	5.9786E+19	1.5485E+19
Rb-86		9.0782E-02	1.1157E-09	7.8127E+15	1.1422E+13
I-131		2.1022E+03	1.6957E-05	7.7951E+19	2.6475E+17
I-132		2.2890E+03	2.2176E-07	1.0117E+18	3.3280E+17
I-133		4.0870E+03	3.6079E-06	1.6336E+19	5.2200E+17
I-134		2.2137E+03	8.2983E-08	3.7294E+17	4.1325E+17
I-135		3.5840E+03	1.0205E-06	4.5525E+18	4.7361E+17
Xe-133		4.0292E+05	2.1525E-03	9.7466E+21	5.0788E+19
Xe-135		1.3654E+05	5.3467E-05	2.3851E+20	1.7783E+19
Cs-134		9.8030E+00	7.5767E-06	3.4051E+19	1.2325E+15
Cs-136		2.7228E+00	3.7150E-08	1.6450E+17	3.4268E+14
Cs-137		4.8165E+00	5.5374E-05	2.4341E+20	6.0556E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	0.9300	Atmosphere	Sump	
Noble gases (atoms)		5.1505E+23	0.0000E+00	
Elemental I (atoms)		9.7218E+19	0.0000E+00	
Organic I (atoms)		3.0067E+18	0.0000E+00	
Aerosols (kg)		6.2989E-05	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)			1.8634E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)			2.3199E-06
Total I (Ci)				1.4276E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.9300 Leakage Transport

Noble gases (atoms)	1.6385E+20
Elemental I (atoms)	3.1169E+16
Organic I (atoms)	9.6399E+14
Aerosols (kg)	2.0036E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	0.9300	Pathway	
		Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18
Aerosols (kg)		0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) =	0.9300	Ci	kg	Atoms	Bq
Kr-85		1.1234E+03	2.8634E-03	2.0286E+22	4.1565E+13
Kr-85m		1.6727E+04	2.0326E-02	1.4401E+23	6.1891E+14

CRDA GAP MVP TRIP 10 MIN.o0

Kr-87	2.9618E+04	1.0456E-06	7.2378E+18	1.0959E+15
Kr-88	4.3322E+04	3.4549E-06	2.3643E+19	1.6029E+15
Rb-86	2.9571E-02	3.6343E-10	2.5449E+15	1.0941E+09
I-131	6.8589E+02	5.5325E-06	2.5433E+19	2.5378E+13
I-132	9.4768E+02	9.1811E-08	4.1886E+17	3.5064E+13
I-133	1.3656E+03	1.2055E-06	5.4583E+18	5.0526E+13
I-134	1.3558E+03	5.0824E-08	2.2841E+17	5.0166E+13
I-135	1.2680E+03	3.6106E-07	1.6106E+18	4.6916E+13
Xe-133	1.3166E+05	7.0336E-04	3.1847E+21	4.8713E+15
Xe-135	4.7149E+04	1.8463E-05	8.2360E+19	1.7445E+15
Cs-134	3.1893E+00	2.4650E-06	1.1078E+19	1.1801E+11
Cs-136	8.8738E-01	1.2108E-08	5.3613E+16	3.2833E+10
Cs-137	1.5670E+00	1.8015E-05	7.9189E+19	5.7978E+10

Environment Transport Group Inventory:

	Total Release	Release Rate/s
Time (h) = 0.9300		
Noble gases (atoms)	1.6759E+23	5.0057E+19
Elemental I (atoms)	3.2155E+19	9.6042E+15
Organic I (atoms)	9.9448E+17	2.9704E+14
Aerosols (kg)	2.0493E-05	6.1208E-09
Dose Effective (Ci) I-131 (Thyroid)		9.5690E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		1.2137E+03
Total I (Ci)		5.6230E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.9300 Leakage Transport

Noble gases (atoms)	1.6385E+20
Elemental I (atoms)	3.1169E+16
Organic I (atoms)	9.6399E+14
Aerosols (kg)	2.0036E-08

Normal Environment to Control Room Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 0.9300		
Noble gases (atoms)	0.0000E+00	5.9841E+18
Elemental I (atoms)	0.0000E+00	1.1494E+15
Organic I (atoms)	0.0000E+00	3.5548E+13
Aerosols (kg)	0.0000E+00	7.3171E-10

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 0.9300		
Noble gases (atoms)	4.2338E+18	0.0000E+00
Elemental I (atoms)	8.0748E+14	0.0000E+00
Organic I (atoms)	2.4973E+13	0.0000E+00
Aerosols (kg)	5.1773E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 0.9300		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

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Time (h) =	0.9300	Ci	kg	Atoms	Decay
Kr-85		2.0886E+02	5.3236E-04	3.7717E+21	2.6107E+16
Kr-85m		3.1100E+03	3.7790E-03	2.6774E+22	3.8873E+17
Kr-87		3.5605E+03	1.2570E-07	8.7009E+17	5.8081E+17
Kr-88		6.6262E+03	5.2844E-07	3.6163E+18	9.3063E+17
Rb-86		5.4912E-03	6.7486E-11	4.7257E+14	6.8687E+11
I-131		1.2716E+02	1.0257E-06	4.7151E+18	1.5921E+16
I-132		1.3846E+02	1.3414E-08	6.1196E+16	1.9998E+16
I-133		2.4721E+02	2.1823E-07	9.8814E+17	3.1388E+16
I-134		1.3390E+02	5.0194E-09	2.2558E+16	2.4800E+16
I-135		2.1679E+02	6.1730E-08	2.7537E+17	2.8474E+16
Xe-133		2.4371E+04	1.3020E-04	5.8954E+20	3.0541E+18
Xe-135		8.2590E+03	3.2341E-06	1.4427E+19	1.0692E+18
Cs-134		5.9296E-01	4.5830E-07	2.0596E+18	7.4118E+13
Cs-136		1.6469E-01	2.2471E-09	9.9504E+15	2.0607E+13
Cs-137		2.9134E-01	3.3494E-06	1.4723E+19	3.6416E+13

MVP Holdup Transport Group Inventory:

Time (h) =	0.9300	Atmosphere	Sump
Noble gases (atoms)		3.1154E+22	0.0000E+00
Elemental I (atoms)		5.8805E+18	0.0000E+00
Organic I (atoms)		1.8187E+17	0.0000E+00
Aerosols (kg)		3.8100E-06	0.0000E+00
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.9680E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.4501E-06
Total I (Ci)			8.6352E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	0.9300	Pathway	
		Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18
Aerosols (kg)		0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) =	0.9300	Pathway	
		Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9217E+23
Elemental I (atoms)		0.0000E+00	3.6947E+19
Organic I (atoms)		0.0000E+00	1.1427E+18
Aerosols (kg)		0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.9400

CRDA @ EAB - Condenser Release Doses:

Time (h) =	0.9400	whole Body	Thyroid	TEDE
Delta dose (rem)		1.4803E-04	2.5255E-03	2.2794E-04
Accumulated dose (rem)		1.8685E+00	2.5433E+01	2.6767E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	0.9400	whole Body	Thyroid	TEDE
Delta dose (rem)		3.5612E-05	6.0758E-04	5.4837E-05
Accumulated dose (rem)		8.3458E-01	1.1355E+01	1.1954E+00

Control Room Doses:

Time (h) =	0.9400	whole Body	Thyroid	TEDE
Delta dose (rem)		8.3611E-05	2.9462E-02	1.0159E-03

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Accumulated dose (rem) 1.5288E-02 4.7121E+00 1.6475E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	Ci	kg	Atoms	Decay
0.9400				
Kr-85	3.4530E+03	8.8012E-03	6.2355E+22	4.3874E+17
Kr-85m	5.1415E+04	6.2476E-02	4.4263E+23	6.5328E+18
Kr-87	5.8544E+04	2.0668E-06	1.4306E+19	9.7501E+18
Kr-88	1.0928E+05	8.7150E-06	5.9640E+19	1.5631E+19
Rb-86	9.0781E-02	1.1157E-09	7.8126E+15	1.1543E+13
I-131	2.1021E+03	1.6956E-05	7.7948E+19	2.6755E+17
I-132	2.2821E+03	2.2109E-07	1.0087E+18	3.3584E+17
I-133	4.0857E+03	3.6067E-06	1.6331E+19	5.2744E+17
I-134	2.1963E+03	8.2329E-08	3.7000E+17	4.1619E+17
I-135	3.5803E+03	1.0195E-06	4.5477E+18	4.7839E+17
Xe-133	4.0289E+05	2.1524E-03	9.7460E+21	5.1324E+19
Xe-135	1.3644E+05	5.3427E-05	2.3833E+20	1.7965E+19
Cs-134	9.8029E+00	7.5767E-06	3.4051E+19	1.2456E+15
Cs-136	2.7227E+00	3.7149E-08	1.6450E+17	3.4631E+14
Cs-137	4.8165E+00	5.5374E-05	2.4341E+20	6.1198E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	Atmosphere	Sump
0.9400		
Noble gases (atoms)	5.1505E+23	0.0000E+00
Elemental I (atoms)	9.7199E+19	0.0000E+00
Organic I (atoms)	3.0062E+18	0.0000E+00
Aerosols (kg)	6.2989E-05	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.8631E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		2.3191E-06
Total I (Ci)		1.4246E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.9400 Leakage Transport

Noble gases (atoms)	1.6599E+20
Elemental I (atoms)	3.1574E+16
Organic I (atoms)	9.7652E+14
Aerosols (kg)	2.0299E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	Pathway	
	Filtered	Transported
0.9400		
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) =	Ci	kg	Atoms	Bq
0.9400				
Kr-85	1.1234E+03	2.8634E-03	2.0287E+22	4.1566E+13
Kr-85m	1.6727E+04	2.0326E-02	1.4401E+23	6.1892E+14
Kr-87	2.9618E+04	1.0456E-06	7.2378E+18	1.0959E+15
Kr-88	4.3322E+04	3.4549E-06	2.3643E+19	1.6029E+15
Rb-86	2.9572E-02	3.6343E-10	2.5449E+15	1.0941E+09
I-131	6.8590E+02	5.5326E-06	2.5434E+19	2.5378E+13
I-132	9.4769E+02	9.1812E-08	4.1887E+17	3.5065E+13
I-133	1.3656E+03	1.2055E-06	5.4583E+18	5.0527E+13
I-134	1.3558E+03	5.0825E-08	2.2841E+17	5.0166E+13
I-135	1.2680E+03	3.6107E-07	1.6107E+18	4.6917E+13
Xe-133	1.3166E+05	7.0337E-04	3.1848E+21	4.8713E+15
Xe-135	4.7150E+04	1.8463E-05	8.2361E+19	1.7445E+15

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Cs-134	3.1894E+00	2.4651E-06	1.1078E+19	1.1801E+11
Cs-136	8.8739E-01	1.2108E-08	5.3614E+16	3.2834E+10
Cs-137	1.5670E+00	1.8015E-05	7.9190E+19	5.7979E+10

Environment Transport Group Inventory:

Time (h) =	0.9400	Total Release	Release Rate/s
Noble gases (atoms)		1.6759E+23	4.9525E+19
Elemental I (atoms)		3.2155E+19	9.5022E+15
Organic I (atoms)		9.9449E+17	2.9388E+14
Aerosols (kg)		2.0493E-05	6.0558E-09
Dose Effective (Ci) I-131 (Thyroid)			9.5691E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2137E+03
Total I (Ci)			5.6230E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.9400 Leakage Transport

Noble gases (atoms)	1.6599E+20
Elemental I (atoms)	3.1574E+16
Organic I (atoms)	9.7652E+14
Aerosols (kg)	2.0299E-08

Normal Environment to Control Room Transport Group Inventory:

Time (h) =	0.9400	Pathway Filtered	Transported
Noble gases (atoms)		0.0000E+00	5.9903E+18
Elemental I (atoms)		0.0000E+00	1.1506E+15
Organic I (atoms)		0.0000E+00	3.5585E+13
Aerosols (kg)		0.0000E+00	7.3247E-10

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) =	0.9400	Pathway Filtered	Transported
Noble gases (atoms)		4.2611E+18	0.0000E+00
Elemental I (atoms)		8.1263E+14	0.0000E+00
Organic I (atoms)		2.5133E+13	0.0000E+00
Aerosols (kg)		5.2107E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) =	0.9400	Pathway Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9217E+23
Elemental I (atoms)		0.0000E+00	3.6947E+19
Organic I (atoms)		0.0000E+00	1.1427E+18
Aerosols (kg)		0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) =	0.9400	Ci	kg	Atoms	Decay
Kr-85		2.0886E+02	5.3236E-04	3.7717E+21	2.6385E+16
Kr-85m		3.1100E+03	3.7790E-03	2.6774E+22	3.9288E+17
Kr-87		3.5412E+03	1.2502E-07	8.6536E+17	5.8554E+17
Kr-88		6.6101E+03	5.2715E-07	3.6075E+18	9.3944E+17
Rb-86		5.4911E-03	6.7485E-11	4.7257E+14	6.9419E+11
I-131		1.2715E+02	1.0256E-06	4.7149E+18	1.6090E+16
I-132		1.3804E+02	1.3373E-08	6.1012E+16	2.0182E+16
I-133		2.4713E+02	2.1816E-07	9.8781E+17	3.1718E+16
I-134		1.3285E+02	4.9799E-09	2.2380E+16	2.4977E+16

	CRDA	GAP	MVP	TRIP	10 MIN.00
I-135	2.1656E+02	6.1666E-08	2.7508E+17	2.8762E+16	
Xe-133	2.4370E+04	1.3019E-04	5.8951E+20	3.0866E+18	
Xe-135	8.2528E+03	3.2317E-06	1.4416E+19	1.0802E+18	
Cs-134	5.9296E-01	4.5830E-07	2.0596E+18	7.4908E+13	
Cs-136	1.6469E-01	2.2471E-09	9.9502E+15	2.0827E+13	
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	3.6804E+13	

MVP Holdup Transport Group Inventory:

Time (h) =	0.9400	Atmosphere	Sump	
Noble gases (atoms)	3.1154E+22	0.0000E+00		
Elemental I (atoms)	5.8794E+18	0.0000E+00		
Organic I (atoms)	1.8184E+17	0.0000E+00		
Aerosols (kg)	3.8100E-06	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)			1.9677E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)			2.4493E-06
Total I (Ci)				8.6173E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) =	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) =	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.9500

CRDA @ EAB - Condenser Release Doses:

Time (h) =	0.9500	whole Body	Thyroid	TEDE
Delta dose (rem)		1.4764E-04	2.5251E-03	2.2754E-04
Accumulated dose (rem)		1.8686E+00	2.5436E+01	2.6769E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	0.9500	whole Body	Thyroid	TEDE
Delta dose (rem)		3.5518E-05	6.0747E-04	5.4740E-05
Accumulated dose (rem)		8.3461E-01	1.1356E+01	1.1955E+00

Control Room Doses:

Time (h) =	0.9500	whole Body	Thyroid	TEDE
Delta dose (rem)		8.2366E-05	2.9094E-02	1.0030E-03
Accumulated dose (rem)		1.5370E-02	4.7412E+00	1.6576E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	0.9500	Ci	kg	Atoms	Decay
Kr-85		3.4530E+03	8.8011E-03	6.2355E+22	4.4334E+17
Kr-85m		5.1415E+04	6.2476E-02	4.4263E+23	6.6012E+18
Kr-87		5.8225E+04	2.0556E-06	1.4229E+19	9.8278E+18
Kr-88		1.0901E+05	8.6937E-06	5.9494E+19	1.5776E+19
Rb-86		9.0779E-02	1.1157E-09	7.8124E+15	1.1664E+13

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I-131	2.1021E+03	1.6955E-05	7.7945E+19	2.7035E+17
I-132	2.2753E+03	2.2042E-07	1.0056E+18	3.3887E+17
I-133	4.0843E+03	3.6055E-06	1.6325E+19	5.3289E+17
I-134	2.1790E+03	8.1681E-08	3.6708E+17	4.1911E+17
I-135	3.5765E+03	1.0184E-06	4.5429E+18	4.8315E+17
Xe-133	4.0287E+05	2.1523E-03	9.7454E+21	5.1861E+19
Xe-135	1.3634E+05	5.3387E-05	2.3815E+20	1.8147E+19
Cs-134	9.8029E+00	7.5766E-06	3.4050E+19	1.2586E+15
Cs-136	2.7227E+00	3.7149E-08	1.6450E+17	3.4994E+14
Cs-137	4.8165E+00	5.5373E-05	2.4341E+20	6.1840E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	0.9500	Atmosphere	Sump	
Noble gases (atoms)	5.1504E+23	0.0000E+00		
Elemental I (atoms)	9.7180E+19	0.0000E+00		
Organic I (atoms)	3.0056E+18	0.0000E+00		
Aerosols (kg)	6.2988E-05	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.8628E-06	
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.3182E-06	
Total I (Ci)			1.4217E+04	

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.9500 Leakage Transport

Noble gases (atoms)	1.6814E+20
Elemental I (atoms)	3.1979E+16
Organic I (atoms)	9.8905E+14
Aerosols (kg)	2.0561E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) =	0.9500	Filtered Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) =	0.9500	Ci	kg	Atoms	Bq
Kr-85		1.1234E+03	2.8634E-03	2.0287E+22	4.1567E+13
Kr-85m		1.6728E+04	2.0326E-02	1.4401E+23	6.1892E+14
Kr-87		2.9618E+04	1.0456E-06	7.2379E+18	1.0959E+15
Kr-88		4.3323E+04	3.4550E-06	2.3643E+19	1.6029E+15
Rb-86		2.9572E-02	3.6344E-10	2.5450E+15	1.0942E+09
I-131		6.8591E+02	5.5326E-06	2.5434E+19	2.5379E+13
I-132		9.4770E+02	9.1813E-08	4.1887E+17	3.5065E+13
I-133		1.3656E+03	1.2055E-06	5.4584E+18	5.0527E+13
I-134		1.3558E+03	5.0825E-08	2.2841E+17	5.0166E+13
I-135		1.2680E+03	3.6107E-07	1.6107E+18	4.6917E+13
Xe-133		1.3166E+05	7.0337E-04	3.1848E+21	4.8714E+15
Xe-135		4.7150E+04	1.8463E-05	8.2362E+19	1.7446E+15
Cs-134		3.1894E+00	2.4651E-06	1.1078E+19	1.1801E+11
Cs-136		8.8740E-01	1.2108E-08	5.3615E+16	3.2834E+10
Cs-137		1.5670E+00	1.8015E-05	7.9191E+19	5.7980E+10

Environment Transport Group Inventory:

Time (h) =	0.9500	Total Release	Release Rate/s
Noble gases (atoms)		1.6760E+23	4.9004E+19
Elemental I (atoms)		3.2156E+19	9.4023E+15

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Organic I (atoms)	9.9451E+17	2.9079E+14	
Aerosols (kg)	2.0493E-05	5.9921E-09	
Dose Effective (Ci) I-131 (Thyroid)			9.5692E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2137E+03
Total I (Ci)			5.6231E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 0.9500 Leakage Transport

Noble gases (atoms)	1.6814E+20
Elemental I (atoms)	3.1979E+16
Organic I (atoms)	9.8905E+14
Aerosols (kg)	2.0561E-08

Normal Environment to Control Room Transport Group Inventory:

	Pathway	
Time (h) = 0.9500	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.9965E+18
Elemental I (atoms)	0.0000E+00	1.1517E+15
Organic I (atoms)	0.0000E+00	3.5621E+13
Aerosols (kg)	0.0000E+00	7.3323E-10

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.9500	Filtered	Transported
Noble gases (atoms)	4.2881E+18	0.0000E+00
Elemental I (atoms)	8.1772E+14	0.0000E+00
Organic I (atoms)	2.5290E+13	0.0000E+00
Aerosols (kg)	5.2437E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.9500	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.9500	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	2.6664E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	3.9702E+17
Kr-87	3.5219E+03	1.2434E-07	8.6066E+17	5.9024E+17
Kr-88	6.5940E+03	5.2587E-07	3.5987E+18	9.4824E+17
Rb-86	5.4910E-03	6.7484E-11	4.7256E+14	7.0150E+11
I-131	1.2715E+02	1.0256E-06	4.7147E+18	1.6260E+16
I-132	1.3763E+02	1.3333E-08	6.0828E+16	2.0366E+16
I-133	2.4705E+02	2.1809E-07	9.8748E+17	3.2047E+16
I-134	1.3180E+02	4.9407E-09	2.2204E+16	2.5154E+16
I-135	2.1633E+02	6.1601E-08	2.7479E+17	2.9051E+16
Xe-133	2.4369E+04	1.3019E-04	5.8948E+20	3.1190E+18
Xe-135	8.2466E+03	3.2293E-06	1.4405E+19	1.0912E+18
Cs-134	5.9296E-01	4.5830E-07	2.0596E+18	7.5698E+13
Cs-136	1.6469E-01	2.2470E-09	9.9500E+15	2.1046E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	3.7192E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.9500	Atmosphere	Sump
Noble gases (atoms)	3.1154E+22	0.0000E+00

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Elemental I (atoms)	5.8782E+18	0.0000E+00	
Organic I (atoms)	1.8180E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.9674E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.4484E-06
Total I (Ci)			8.5996E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.9500	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.9500	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.9600

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.9600	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.4725E-04	2.5247E-03	2.2714E-04
Accumulated dose (rem)	1.8688E+00	2.5438E+01	2.6772E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.9600	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.5425E-05	6.0737E-04	5.4643E-05
Accumulated dose (rem)	8.3465E-01	1.1356E+01	1.1956E+00

Control Room Doses:

Time (h) = 0.9600	Whole Body	Thyroid	TEDE
Delta dose (rem)	8.1144E-05	2.8733E-02	9.9029E-04
Accumulated dose (rem)	1.5451E-02	4.7699E+00	1.6675E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.9600	Ci	kg	Atoms	Decay
Kr-85	3.4530E+03	8.8011E-03	6.2355E+22	4.4794E+17
Kr-85m	5.1414E+04	6.2475E-02	4.4263E+23	6.6697E+18
Kr-87	5.7908E+04	2.0444E-06	1.4151E+19	9.9052E+18
Kr-88	1.0875E+05	8.6725E-06	5.9349E+19	1.5921E+19
Rb-86	9.0777E-02	1.1156E-09	7.8123E+15	1.1785E+13
I-131	2.1020E+03	1.6955E-05	7.7942E+19	2.7315E+17
I-132	2.2684E+03	2.1976E-07	1.0026E+18	3.4190E+17
I-133	4.0829E+03	3.6042E-06	1.6320E+19	5.3832E+17
I-134	2.1618E+03	8.1037E-08	3.6419E+17	4.2200E+17
I-135	3.5727E+03	1.0173E-06	4.5382E+18	4.8791E+17
Xe-133	4.0285E+05	2.1522E-03	9.7449E+21	5.2398E+19
Xe-135	1.3623E+05	5.3347E-05	2.3797E+20	1.8328E+19
Cs-134	9.8028E+00	7.5766E-06	3.4050E+19	1.2717E+15
Cs-136	2.7226E+00	3.7148E-08	1.6449E+17	3.5356E+14
Cs-137	4.8165E+00	5.5373E-05	2.4340E+20	6.2481E+14

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DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	0.9600	Atmosphere	Sump	
Noble gases (atoms)		5.1504E+23	0.0000E+00	
Elemental I (atoms)		9.7162E+19	0.0000E+00	
Organic I (atoms)		3.0050E+18	0.0000E+00	
Aerosols (kg)		6.2988E-05	0.0000E+00	
Dose Effective (Ci/cc)		I-131 (Thyroid)		1.8625E-06
Dose Effective (Ci/cc)		I-131 (ICRP2 Thyroid)		2.3174E-06
Total I (Ci)				1.4188E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.9600 Leakage Transport

Noble gases (atoms)	1.7028E+20
Elemental I (atoms)	3.2384E+16
Organic I (atoms)	1.0016E+15
Aerosols (kg)	2.0824E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

		Pathway	
Time (h) =	0.9600	Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18
Aerosols (kg)		0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) =	0.9600	Ci	kg	Atoms	Bq
Kr-85		1.1234E+03	2.8635E-03	2.0287E+22	4.1567E+13
Kr-85m		1.6728E+04	2.0327E-02	1.4401E+23	6.1893E+14
Kr-87		2.9618E+04	1.0456E-06	7.2379E+18	1.0959E+15
Kr-88		4.3323E+04	3.4550E-06	2.3644E+19	1.6030E+15
Rb-86		2.9572E-02	3.6344E-10	2.5450E+15	1.0942E+09
I-131		6.8592E+02	5.5327E-06	2.5434E+19	2.5379E+13
I-132		9.4771E+02	9.1814E-08	4.1887E+17	3.5065E+13
I-133		1.3656E+03	1.2055E-06	5.4585E+18	5.0528E+13
I-134		1.3559E+03	5.0825E-08	2.2842E+17	5.0167E+13
I-135		1.2680E+03	3.6108E-07	1.6107E+18	4.6918E+13
Xe-133		1.3166E+05	7.0338E-04	3.1849E+21	4.8714E+15
Xe-135		4.7151E+04	1.8464E-05	8.2363E+19	1.7446E+15
Cs-134		3.1895E+00	2.4651E-06	1.1079E+19	1.1801E+11
Cs-136		8.8741E-01	1.2108E-08	5.3615E+16	3.2834E+10
Cs-137		1.5670E+00	1.8016E-05	7.9192E+19	5.7981E+10

Environment Transport Group Inventory:

		Total	Release
Time (h) =	0.9600	Release	Rate/s
Noble gases (atoms)		1.6760E+23	4.8495E+19
Elemental I (atoms)		3.2156E+19	9.3044E+15
Organic I (atoms)		9.9452E+17	2.8777E+14
Aerosols (kg)		2.0493E-05	5.9298E-09
Dose Effective (Ci)		I-131 (Thyroid)	9.5693E+02
Dose Effective (Ci)		I-131 (ICRP2 Thyroid)	1.2137E+03
Total I (Ci)			5.6232E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.9600 Leakage Transport

Noble gases (atoms)	1.7028E+20
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 Elemental I (atoms) 3.2384E+16
 Organic I (atoms) 1.0016E+15
 Aerosols (kg) 2.0824E-08

Normal Environment to Control Room Transport Group Inventory:

	Pathway	
Time (h) = 0.9600	Filtered	Transported
Noble gases (atoms)	0.0000E+00	6.0027E+18
Elemental I (atoms)	0.0000E+00	1.1529E+15
Organic I (atoms)	0.0000E+00	3.5657E+13
Aerosols (kg)	0.0000E+00	7.3399E-10

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.9600	Filtered	Transported
Noble gases (atoms)	4.3148E+18	0.0000E+00
Elemental I (atoms)	8.2275E+14	0.0000E+00
Organic I (atoms)	2.5446E+13	0.0000E+00
Aerosols (kg)	5.2763E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.9600	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.9600	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	2.6942E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	4.0116E+17
Kr-87	3.5028E+03	1.2366E-07	8.5598E+17	5.9492E+17
Kr-88	6.5779E+03	5.2458E-07	3.5899E+18	9.5701E+17
Rb-86	5.4909E-03	6.7483E-11	4.7255E+14	7.0881E+11
I-131	1.2714E+02	1.0256E-06	4.7146E+18	1.6429E+16
I-132	1.3721E+02	1.3293E-08	6.0645E+16	2.0549E+16
I-133	2.4697E+02	2.1801E-07	9.8715E+17	3.2376E+16
I-134	1.3076E+02	4.9018E-09	2.2029E+16	2.5328E+16
I-135	2.1611E+02	6.1536E-08	2.7450E+17	2.9339E+16
Xe-133	2.4367E+04	1.3018E-04	5.8945E+20	3.1515E+18
Xe-135	8.2405E+03	3.2269E-06	1.4394E+19	1.1022E+18
Cs-134	5.9296E-01	4.5829E-07	2.0596E+18	7.6487E+13
Cs-136	1.6468E-01	2.2470E-09	9.9497E+15	2.1265E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	3.7580E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.9600	Atmosphere	Sump	
Noble gases (atoms)	3.1154E+22	0.0000E+00	
Elemental I (atoms)	5.8771E+18	0.0000E+00	
Organic I (atoms)	1.8177E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.9670E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.4475E-06
Total I (Ci)			8.5819E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Pathway

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	Filtered	Transported
Time (h) = 0.9600		
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Filtered	Transported
Time (h) = 0.9600		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.9700

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.9700	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.4687E-04	2.5243E-03	2.2674E-04
Accumulated dose (rem)	1.8689E+00	2.5441E+01	2.6774E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.9700	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.5333E-05	6.0727E-04	5.4547E-05
Accumulated dose (rem)	8.3468E-01	1.1357E+01	1.1956E+00

Control Room Doses:

Time (h) = 0.9700	Whole Body	Thyroid	TEDE
Delta dose (rem)	7.9943E-05	2.8378E-02	9.7780E-04
Accumulated dose (rem)	1.5531E-02	4.7983E+00	1.6772E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.9700	Ci	kg	Atoms	Decay
Kr-85	3.4530E+03	8.8011E-03	6.2354E+22	4.5254E+17
Kr-85m	5.1414E+04	6.2475E-02	4.4263E+23	6.7382E+18
Kr-87	5.7593E+04	2.0333E-06	1.4074E+19	9.9821E+18
Kr-88	1.0848E+05	8.6513E-06	5.9204E+19	1.6066E+19
Rb-86	9.0775E-02	1.1156E-09	7.8121E+15	1.1906E+13
I-131	2.1019E+03	1.6954E-05	7.7939E+19	2.7595E+17
I-132	2.2616E+03	2.1910E-07	9.9957E+17	3.4492E+17
I-133	4.0815E+03	3.6030E-06	1.6314E+19	5.4376E+17
I-134	2.1448E+03	8.0398E-08	3.6132E+17	4.2486E+17
I-135	3.5690E+03	1.0163E-06	4.5334E+18	4.9267E+17
Xe-133	4.0282E+05	2.1520E-03	9.7443E+21	5.2934E+19
Xe-135	1.3613E+05	5.3307E-05	2.3779E+20	1.8510E+19
Cs-134	9.8028E+00	7.5766E-06	3.4050E+19	1.2847E+15
Cs-136	2.7225E+00	3.7147E-08	1.6449E+17	3.5719E+14
Cs-137	4.8164E+00	5.5373E-05	2.4340E+20	6.3123E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 0.9700	Atmosphere	Sump	
Noble gases (atoms)	5.1504E+23	0.0000E+00	
Elemental I (atoms)	9.7143E+19	0.0000E+00	
Organic I (atoms)	3.0044E+18	0.0000E+00	
Aerosols (kg)	6.2988E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.8622E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.3166E-06
Total I (Ci)			1.4159E+04

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DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 0.9700 Leakage Transport

Noble gases (atoms)	1.7243E+20
Elemental I (atoms)	3.2789E+16
Organic I (atoms)	1.0141E+15
Aerosols (kg)	2.1086E-08

DAEC Condenser - CRDA to MVP HoIdup Transport Group Inventory:

	Pathway	
Time (h) = 0.9700	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 0.9700	Ci	kg	Atoms	Bq
Kr-85	1.1234E+03	2.8635E-03	2.0287E+22	4.1568E+13
Kr-85m	1.6728E+04	2.0327E-02	1.4401E+23	6.1894E+14
Kr-87	2.9619E+04	1.0457E-06	7.2380E+18	1.0959E+15
Kr-88	4.3324E+04	3.4550E-06	2.3644E+19	1.6030E+15
Rb-86	2.9573E-02	3.6345E-10	2.5450E+15	1.0942E+09
I-131	6.8593E+02	5.5328E-06	2.5435E+19	2.5379E+13
I-132	9.4772E+02	9.1814E-08	4.1888E+17	3.5066E+13
I-133	1.3656E+03	1.2055E-06	5.4585E+18	5.0528E+13
I-134	1.3559E+03	5.0826E-08	2.2842E+17	5.0167E+13
I-135	1.2681E+03	3.6108E-07	1.6107E+18	4.6918E+13
Xe-133	1.3166E+05	7.0339E-04	3.1849E+21	4.8715E+15
Xe-135	4.7151E+04	1.8464E-05	8.2364E+19	1.7446E+15
Cs-134	3.1895E+00	2.4652E-06	1.1079E+19	1.1801E+11
Cs-136	8.8743E-01	1.2108E-08	5.3616E+16	3.2835E+10
Cs-137	1.5671E+00	1.8016E-05	7.9193E+19	5.7981E+10

Environment Transport Group Inventory:

Time (h) = 0.9700	Total Release	Release Rate/s	
Noble gases (atoms)	1.6760E+23	4.7995E+19	
Elemental I (atoms)	3.2157E+19	9.2086E+15	
Organic I (atoms)	9.9453E+17	2.8480E+14	
Aerosols (kg)	2.0494E-05	5.8687E-09	
Dose Effective (Ci) I-131 (Thyroid)			9.5694E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2138E+03
Total I (Ci)			5.6232E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 0.9700 Leakage Transport

Noble gases (atoms)	1.7243E+20
Elemental I (atoms)	3.2789E+16
Organic I (atoms)	1.0141E+15
Aerosols (kg)	2.1086E-08

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 0.9700	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	6.0090E+18
Elemental I (atoms)	0.0000E+00	1.1541E+15

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Organic I (atoms) 0.0000E+00 3.5694E+13
 Aerosols (kg) 0.0000E+00 7.3475E-10

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.9700	Filtered	Transported
Noble gases (atoms)	4.3411E+18	0.0000E+00
Elemental I (atoms)	8.2771E+14	0.0000E+00
Organic I (atoms)	2.5599E+13	0.0000E+00
Aerosols (kg)	5.3085E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.9700	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.9700	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	2.7220E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	4.0530E+17
Kr-87	3.4837E+03	1.2299E-07	8.5133E+17	5.9958E+17
Kr-88	6.5618E+03	5.2331E-07	3.5812E+18	9.6576E+17
Rb-86	5.4909E-03	6.7482E-11	4.7254E+14	7.1613E+11
I-131	1.2714E+02	1.0255E-06	4.7144E+18	1.6598E+16
I-132	1.3680E+02	1.3253E-08	6.0463E+16	2.0731E+16
I-133	2.4689E+02	2.1794E-07	9.8682E+17	3.2705E+16
I-134	1.2973E+02	4.8632E-09	2.1856E+16	2.5502E+16
I-135	2.1588E+02	6.1472E-08	2.7422E+17	2.9626E+16
Xe-133	2.4366E+04	1.3017E-04	5.8942E+20	3.1839E+18
Xe-135	8.2344E+03	3.2244E-06	1.4384E+19	1.1131E+18
Cs-134	5.9296E-01	4.5829E-07	2.0596E+18	7.7277E+13
Cs-136	1.6468E-01	2.2469E-09	9.9495E+15	2.1485E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	3.7968E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.9700	Atmosphere	Sump	
Noble gases (atoms)	3.1154E+22	0.0000E+00	
Elemental I (atoms)	5.8760E+18	0.0000E+00	
Organic I (atoms)	1.8173E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.9667E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.4466E-06
Total I (Ci)			8.5644E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 0.9700	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.9700	Filtered	Transported

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Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (h) = 0.9800

CRDA @ EAB - Condenser Release Doses:

Time (h) =	0.9800	Whole Body	Thyroid	TEDE
Delta dose (rem)		1.4649E-04	2.5238E-03	2.2634E-04
Accumulated dose (rem)		1.8690E+00	2.5443E+01	2.6776E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	0.9800	Whole Body	Thyroid	TEDE
Delta dose (rem)		3.5241E-05	6.0717E-04	5.4451E-05
Accumulated dose (rem)		8.3472E-01	1.1358E+01	1.1957E+00

Control Room Doses:

Time (h) =	0.9800	Whole Body	Thyroid	TEDE
Delta dose (rem)		7.8765E-05	2.8028E-02	9.6552E-04
Accumulated dose (rem)		1.5610E-02	4.8263E+00	1.6869E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	0.9800	Ci	kg	Atoms	Decay
Kr-85		3.4529E+03	8.8010E-03	6.2354E+22	4.5713E+17
Kr-85m		5.1414E+04	6.2475E-02	4.4263E+23	6.8067E+18
Kr-87		5.7280E+04	2.0222E-06	1.3998E+19	1.0059E+19
Kr-88		1.0822E+05	8.6302E-06	5.9059E+19	1.6210E+19
Rb-86		9.0774E-02	1.1156E-09	7.8120E+15	1.2027E+13
I-131		2.1018E+03	1.6953E-05	7.7936E+19	2.7875E+17
I-132		2.2547E+03	2.1844E-07	9.9656E+17	3.4793E+17
I-133		4.0802E+03	3.6018E-06	1.6309E+19	5.4920E+17
I-134		2.1279E+03	7.9765E-08	3.5847E+17	4.2771E+17
I-135		3.5652E+03	1.0152E-06	4.5286E+18	4.9742E+17
Xe-133		4.0280E+05	2.1519E-03	9.7437E+21	5.3471E+19
Xe-135		1.3603E+05	5.3267E-05	2.3762E+20	1.8691E+19
Cs-134		9.8027E+00	7.5765E-06	3.4050E+19	1.2978E+15
Cs-136		2.7224E+00	3.7146E-08	1.6448E+17	3.6082E+14
Cs-137		4.8164E+00	5.5373E-05	2.4340E+20	6.3764E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	0.9800	Atmosphere	Sump
Noble gases (atoms)		5.1503E+23	0.0000E+00
Elemental I (atoms)		9.7124E+19	0.0000E+00
Organic I (atoms)		3.0038E+18	0.0000E+00
Aerosols (kg)		6.2987E-05	0.0000E+00
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.8619E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.3157E-06
Total I (Ci)			1.4130E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.9800 Leakage Transport

Noble gases (atoms)	1.7458E+20
Elemental I (atoms)	3.3194E+16
Organic I (atoms)	1.0266E+15
Aerosols (kg)	2.1349E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

CRDA GAP MVP TRIP 10 MIN.o0

	Pathway	
	Filtered	Transported
Time (h) = 0.9800		
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 0.9800	Ci	kg	Atoms	Bq
Kr-85	1.1235E+03	2.8635E-03	2.0288E+22	4.1568E+13
Kr-85m	1.6728E+04	2.0327E-02	1.4402E+23	6.1895E+14
Kr-87	2.9619E+04	1.0457E-06	7.2381E+18	1.0959E+15
Kr-88	4.3324E+04	3.4551E-06	2.3644E+19	1.6030E+15
Rb-86	2.9573E-02	3.6345E-10	2.5451E+15	1.0942E+09
I-131	6.8593E+02	5.5329E-06	2.5435E+19	2.5380E+13
I-132	9.4773E+02	9.1815E-08	4.1888E+17	3.5066E+13
I-133	1.3656E+03	1.2055E-06	5.4586E+18	5.0529E+13
I-134	1.3559E+03	5.0826E-08	2.2842E+17	5.0167E+13
I-135	1.2681E+03	3.6108E-07	1.6107E+18	4.6919E+13
Xe-133	1.3166E+05	7.0340E-04	3.1849E+21	4.8716E+15
Xe-135	4.7152E+04	1.8464E-05	8.2365E+19	1.7446E+15
Cs-134	3.1895E+00	2.4652E-06	1.1079E+19	1.1801E+11
Cs-136	8.8744E-01	1.2108E-08	5.3617E+16	3.2835E+10
Cs-137	1.5671E+00	1.8016E-05	7.9194E+19	5.7982E+10

Environment Transport Group Inventory:

Time (h) = 0.9800	Total Release	Release Rate/s
Noble gases (atoms)	1.6760E+23	4.7506E+19
Elemental I (atoms)	3.2157E+19	9.1148E+15
Organic I (atoms)	9.9454E+17	2.8190E+14
Aerosols (kg)	2.0494E-05	5.8089E-09
Dose Effective (Ci) I-131 (Thyroid)		9.5696E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		1.2138E+03
Total I (Ci)		5.6233E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.9800 Leakage Transport

Noble gases (atoms)	1.7458E+20
Elemental I (atoms)	3.3194E+16
Organic I (atoms)	1.0266E+15
Aerosols (kg)	2.1349E-08

Normal Environment to Control Room Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 0.9800		
Noble gases (atoms)	0.0000E+00	6.0152E+18
Elemental I (atoms)	0.0000E+00	1.1553E+15
Organic I (atoms)	0.0000E+00	3.5730E+13
Aerosols (kg)	0.0000E+00	7.3551E-10

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 0.9800		
Noble gases (atoms)	4.3671E+18	0.0000E+00
Elemental I (atoms)	8.3262E+14	0.0000E+00
Organic I (atoms)	2.5751E+13	0.0000E+00

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Aerosols (kg) 5.3403E-10 0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.9800	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.9800	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	2.7498E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	4.0944E+17
Kr-87	3.4648E+03	1.2232E-07	8.4670E+17	6.0420E+17
Kr-88	6.5458E+03	5.2203E-07	3.5724E+18	9.7449E+17
Rb-86	5.4908E-03	6.7481E-11	4.7254E+14	7.2344E+11
I-131	1.2713E+02	1.0255E-06	4.7142E+18	1.6768E+16
I-132	1.3639E+02	1.3213E-08	6.0281E+16	2.0913E+16
I-133	2.4680E+02	2.1787E-07	9.8649E+17	3.3033E+16
I-134	1.2871E+02	4.8249E-09	2.1684E+16	2.5674E+16
I-135	2.1565E+02	6.1408E-08	2.7393E+17	2.9914E+16
Xe-133	2.4365E+04	1.3017E-04	5.8938E+20	3.2164E+18
Xe-135	8.2282E+03	3.2220E-06	1.4373E+19	1.1241E+18
Cs-134	5.9295E-01	4.5829E-07	2.0596E+18	7.8067E+13
Cs-136	1.6468E-01	2.2469E-09	9.9493E+15	2.1704E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	3.8356E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.9800	Atmosphere	Sump	
Noble gases (atoms)	3.1154E+22	0.0000E+00	
Elemental I (atoms)	5.8749E+18	0.0000E+00	
Organic I (atoms)	1.8170E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.9664E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.4458E-06
Total I (Ci)			8.5469E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.9800	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.9800	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 0.9900

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.9900	whole Body	Thyroid	TEDE

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Delta dose (rem) 1.4610E-04 2.5234E-03 2.2594E-04
 Accumulated dose (rem) 1.8692E+00 2.5446E+01 2.6779E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.9900 Whole Body Thyroid TEDE
 Delta dose (rem) 3.5149E-05 6.0707E-04 5.4355E-05
 Accumulated dose (rem) 8.3475E-01 1.1358E+01 1.1957E+00

Control Room Doses:

Time (h) = 0.9900 Whole Body Thyroid TEDE
 Delta dose (rem) 7.7607E-05 2.7683E-02 9.5344E-04
 Accumulated dose (rem) 1.5688E-02 4.8540E+00 1.6964E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	Ci	kg	Atoms	Decay
0.9900				
Kr-85	3.4529E+03	8.8010E-03	6.2354E+22	4.6173E+17
Kr-85m	5.1414E+04	6.2475E-02	4.4262E+23	6.8752E+18
Kr-87	5.6969E+04	2.0112E-06	1.3922E+19	1.0135E+19
Kr-88	1.0795E+05	8.6091E-06	5.8915E+19	1.6354E+19
Rb-86	9.0772E-02	1.1156E-09	7.8118E+15	1.2148E+13
I-131	2.1017E+03	1.6953E-05	7.7933E+19	2.8155E+17
I-132	2.2480E+03	2.1778E-07	9.9356E+17	3.5092E+17
I-133	4.0788E+03	3.6006E-06	1.6303E+19	5.5463E+17
I-134	2.1111E+03	7.9136E-08	3.5565E+17	4.3053E+17
I-135	3.5615E+03	1.0141E-06	4.5238E+18	5.0217E+17
Xe-133	4.0278E+05	2.1518E-03	9.7431E+21	5.4007E+19
Xe-135	1.3593E+05	5.3227E-05	2.3744E+20	1.8872E+19
Cs-134	9.8027E+00	7.5765E-06	3.4050E+19	1.3109E+15
Cs-136	2.7224E+00	3.7145E-08	1.6448E+17	3.6444E+14
Cs-137	4.8164E+00	5.5372E-05	2.4340E+20	6.4406E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	Atmosphere	Sump
0.9900		
Noble gases (atoms)	5.1503E+23	0.0000E+00
Elemental I (atoms)	9.7106E+19	0.0000E+00
Organic I (atoms)	3.0033E+18	0.0000E+00
Aerosols (kg)	6.2987E-05	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.8616E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		2.3149E-06
Total I (Ci)		1.4101E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.9900 Leakage Transport

Noble gases (atoms)	1.7672E+20
Elemental I (atoms)	3.3598E+16
Organic I (atoms)	1.0391E+15
Aerosols (kg)	2.1611E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	Pathway	Filtered	Transported
0.9900			
Noble gases (atoms)		0.0000E+00	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18
Aerosols (kg)		0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

CRDA GAP MVP TRIP 10 MIN.o0

Time (h) = 0.9900	Ci	kg	Atoms	Bq
Kr-85	1.1235E+03	2.8636E-03	2.0288E+22	4.1569E+13
Kr-85m	1.6729E+04	2.0327E-02	1.4402E+23	6.1896E+14
Kr-87	2.9619E+04	1.0457E-06	7.2381E+18	1.0959E+15
Kr-88	4.3324E+04	3.4551E-06	2.3644E+19	1.6030E+15
Rb-86	2.9573E-02	3.6346E-10	2.5451E+15	1.0942E+09
I-131	6.8594E+02	5.5329E-06	2.5435E+19	2.5380E+13
I-132	9.4774E+02	9.1816E-08	4.1889E+17	3.5066E+13
I-133	1.3657E+03	1.2056E-06	5.4587E+18	5.0530E+13
I-134	1.3559E+03	5.0826E-08	2.2842E+17	5.0168E+13
I-135	1.2681E+03	3.6109E-07	1.6108E+18	4.6919E+13
Xe-133	1.3167E+05	7.0341E-04	3.1850E+21	4.8716E+15
Xe-135	4.7153E+04	1.8464E-05	8.2366E+19	1.7446E+15
Cs-134	3.1896E+00	2.4652E-06	1.1079E+19	1.1801E+11
Cs-136	8.8745E-01	1.2109E-08	5.3617E+16	3.2836E+10
Cs-137	1.5671E+00	1.8016E-05	7.9195E+19	5.7983E+10

Environment Transport Group Inventory:

Time (h) = 0.9900	Total Release	Release Rate/s	
Noble gases (atoms)	1.6760E+23	4.7027E+19	
Elemental I (atoms)	3.2157E+19	9.0228E+15	
Organic I (atoms)	9.9456E+17	2.7906E+14	
Aerosols (kg)	2.0494E-05	5.7503E-09	
Dose Effective (Ci) I-131 (Thyroid)			9.5697E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2138E+03
Total I (Ci)			5.6233E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.9900 Leakage Transport

Noble gases (atoms)	1.7672E+20
Elemental I (atoms)	3.3598E+16
Organic I (atoms)	1.0391E+15
Aerosols (kg)	2.1611E-08

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 0.9900	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	6.0214E+18
Elemental I (atoms)	0.0000E+00	1.1564E+15
Organic I (atoms)	0.0000E+00	3.5766E+13
Aerosols (kg)	0.0000E+00	7.3628E-10

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 0.9900	Pathway Filtered	Transported
Noble gases (atoms)	4.3928E+18	0.0000E+00
Elemental I (atoms)	8.3746E+14	0.0000E+00
Organic I (atoms)	2.5901E+13	0.0000E+00
Aerosols (kg)	5.3717E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.9900	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

CRDA GAP MVP TRIP 10 MIN.o0

MVP Holdup Compartment Nuclide Inventory:

Time (h) =	Ci	kg	Atoms	Decay
0.9900				
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	2.7776E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	4.1359E+17
Kr-87	3.4460E+03	1.2166E-07	8.4210E+17	6.0881E+17
Kr-88	6.5299E+03	5.2076E-07	3.5637E+18	9.8320E+17
Rb-86	5.4907E-03	6.7480E-11	4.7253E+14	7.3075E+11
I-131	1.2713E+02	1.0255E-06	4.7141E+18	1.6937E+16
I-132	1.3598E+02	1.3173E-08	6.0099E+16	2.1094E+16
I-133	2.4672E+02	2.1780E-07	9.8616E+17	3.3362E+16
I-134	1.2770E+02	4.7869E-09	2.1513E+16	2.5845E+16
I-135	2.1543E+02	6.1343E-08	2.7364E+17	3.0201E+16
Xe-133	2.4363E+04	1.3016E-04	5.8935E+20	3.2489E+18
Xe-135	8.2221E+03	3.2196E-06	1.4362E+19	1.1351E+18
Cs-134	5.9295E-01	4.5829E-07	2.0596E+18	7.8857E+13
Cs-136	1.6467E-01	2.2468E-09	9.9491E+15	2.1923E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	3.8744E+13

MVP Holdup Transport Group Inventory:

Time (h) =	Atmosphere	Sump
0.9900		
Noble gases (atoms)	3.1154E+22	0.0000E+00
Elemental I (atoms)	5.8738E+18	0.0000E+00
Organic I (atoms)	1.8166E+17	0.0000E+00
Aerosols (kg)	3.8100E-06	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.9661E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		2.4449E-06
Total I (Ci)		8.5295E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	Pathway	
	Filtered	Transported
0.9900		
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) =	Pathway	
	Filtered	Transported
0.9900		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 1.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) =	whole Body	Thyroid	TEDE
1.0000			
Delta dose (rem)	1.4572E-04	2.5230E-03	2.2554E-04
Accumulated dose (rem)	1.8693E+00	2.5448E+01	2.6781E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	whole Body	Thyroid	TEDE
1.0000			
Delta dose (rem)	3.5057E-05	6.0697E-04	5.4259E-05
Accumulated dose (rem)	8.3479E-01	1.1359E+01	1.1958E+00

Control Room Doses:

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Time (h) = 1.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	7.6471E-05	2.7345E-02	9.4155E-04
Accumulated dose (rem)	1.5764E-02	4.8813E+00	1.7058E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 1.0000	Ci	kg	Atoms	Decay
Kr-85	3.4529E+03	8.8009E-03	6.2354E+22	4.6633E+17
Kr-85m	5.1413E+04	6.2474E-02	4.4262E+23	6.9437E+18
Kr-87	5.6659E+04	2.0003E-06	1.3846E+19	1.0210E+19
Kr-88	1.0769E+05	8.5881E-06	5.8771E+19	1.6498E+19
Rb-86	9.0770E-02	1.1156E-09	7.8117E+15	1.2268E+13
I-131	2.1016E+03	1.6952E-05	7.7930E+19	2.8435E+17
I-132	2.2412E+03	2.1712E-07	9.9056E+17	3.5391E+17
I-133	4.0774E+03	3.5994E-06	1.6298E+19	5.6006E+17
I-134	2.0945E+03	7.8513E-08	3.5285E+17	4.3333E+17
I-135	3.5577E+03	1.0131E-06	4.5191E+18	5.0691E+17
Xe-133	4.0275E+05	2.1517E-03	9.7426E+21	5.4544E+19
Xe-135	1.3583E+05	5.3187E-05	2.3726E+20	1.9053E+19
Cs-134	9.8027E+00	7.5765E-06	3.4050E+19	1.3239E+15
Cs-136	2.7223E+00	3.7144E-08	1.6447E+17	3.6807E+14
Cs-137	4.8164E+00	5.5372E-05	2.4340E+20	6.5047E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 1.0000	Atmosphere	Sump	
Noble gases (atoms)	5.1503E+23	0.0000E+00	
Elemental I (atoms)	9.7087E+19	0.0000E+00	
Organic I (atoms)	3.0027E+18	0.0000E+00	
Aerosols (kg)	6.2987E-05	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.8613E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.3141E-06
Total I (Ci)			1.4072E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 1.0000 Leakage Transport

Noble gases (atoms)	1.7887E+20
Elemental I (atoms)	3.4003E+16
Organic I (atoms)	1.0516E+15
Aerosols (kg)	2.1873E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 1.0000	Pathway	Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18
Aerosols (kg)		0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 1.0000	Ci	kg	Atoms	Bq
Kr-85	1.1235E+03	2.8636E-03	2.0288E+22	4.1569E+13
Kr-85m	1.6729E+04	2.0328E-02	1.4402E+23	6.1896E+14
Kr-87	2.9619E+04	1.0457E-06	7.2382E+18	1.0959E+15
Kr-88	4.3325E+04	3.4551E-06	2.3645E+19	1.6030E+15
Rb-86	2.9574E-02	3.6346E-10	2.5451E+15	1.0942E+09
I-131	6.8595E+02	5.5330E-06	2.5435E+19	2.5380E+13
I-132	9.4775E+02	9.1817E-08	4.1889E+17	3.5067E+13
I-133	1.3657E+03	1.2056E-06	5.4587E+18	5.0530E+13
I-134	1.3559E+03	5.0827E-08	2.2842E+17	5.0168E+13

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I-135	1.2681E+03	3.6109E-07	1.6108E+18	4.6920E+13
Xe-133	1.3167E+05	7.0342E-04	3.1850E+21	4.8717E+15
Xe-135	4.7153E+04	1.8464E-05	8.2367E+19	1.7447E+15
Cs-134	3.1896E+00	2.4653E-06	1.1079E+19	1.1802E+11
Cs-136	8.8746E-01	1.2109E-08	5.3618E+16	3.2836E+10
Cs-137	1.5671E+00	1.8017E-05	7.9196E+19	5.7983E+10

Environment Transport Group Inventory:

	Total Release	Release Rate/s	
Time (h) = 1.0000			
Noble gases (atoms)	1.6761E+23	4.6557E+19	
Elemental I (atoms)	3.2158E+19	8.9327E+15	
Organic I (atoms)	9.9457E+17	2.7627E+14	
Aerosols (kg)	2.0494E-05	5.6929E-09	
Dose Effective (Ci) I-131 (Thyroid)			9.5698E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2138E+03
Total I (Ci)			5.6234E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 1.0000 Leakage Transport

Noble gases (atoms)	1.7887E+20
Elemental I (atoms)	3.4003E+16
Organic I (atoms)	1.0516E+15
Aerosols (kg)	2.1873E-08

Normal Environment to Control Room Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 1.0000		
Noble gases (atoms)	0.0000E+00	6.0276E+18
Elemental I (atoms)	0.0000E+00	1.1576E+15
Organic I (atoms)	0.0000E+00	3.5802E+13
Aerosols (kg)	0.0000E+00	7.3704E-10

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 1.0000		
Noble gases (atoms)	4.4181E+18	0.0000E+00
Elemental I (atoms)	8.4224E+14	0.0000E+00
Organic I (atoms)	2.6049E+13	0.0000E+00
Aerosols (kg)	5.4027E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 1.0000		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 1.0000	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3236E-04	3.7717E+21	2.8055E+16
Kr-85m	3.1100E+03	3.7790E-03	2.6774E+22	4.1773E+17
Kr-87	3.4272E+03	1.2099E-07	8.3752E+17	6.1338E+17
Kr-88	6.5140E+03	5.1949E-07	3.5550E+18	9.9188E+17
Rb-86	5.4906E-03	6.7479E-11	4.7252E+14	7.3807E+11
I-131	1.2713E+02	1.0254E-06	4.7139E+18	1.7106E+16

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I-132	1.3557E+02	1.3134E-08	5.9918E+16	2.1275E+16
I-133	2.4664E+02	2.1772E-07	9.8583E+17	3.3691E+16
I-134	1.2669E+02	4.7492E-09	2.1343E+16	2.6014E+16
I-135	2.1520E+02	6.1279E-08	2.7336E+17	3.0488E+16
Xe-133	2.4362E+04	1.3015E-04	5.8932E+20	3.2813E+18
Xe-135	8.2160E+03	3.2172E-06	1.4352E+19	1.1460E+18
Cs-134	5.9295E-01	4.5829E-07	2.0596E+18	7.9647E+13
Cs-136	1.6467E-01	2.2468E-09	9.9489E+15	2.2143E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	3.9132E+13

MVP Holdup Transport Group Inventory:

Time (h) =	1.0000	Atmosphere	Sump	
Noble gases (atoms)	3.1154E+22	0.0000E+00		
Elemental I (atoms)	5.8727E+18	0.0000E+00		
Organic I (atoms)	1.8163E+17	0.0000E+00		
Aerosols (kg)	3.8100E-06	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.9658E-06	
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.4440E-06	
Total I (Ci)			8.5123E+02	

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

		Pathway	
Time (h) =	1.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23	
Elemental I (atoms)	0.0000E+00	3.8180E+19	
Organic I (atoms)	0.0000E+00	1.1808E+18	
Aerosols (kg)	0.0000E+00	2.4281E-05	

MVP Holdup to Environment Transport Group Inventory:

		Pathway	
Time (h) =	1.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23	
Elemental I (atoms)	0.0000E+00	3.6947E+19	
Organic I (atoms)	0.0000E+00	1.1427E+18	
Aerosols (kg)	0.0000E+00	2.3498E-05	

Detailed model information at time (H) = 2.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) =	2.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.3002E-02	2.5043E-01	2.0913E-02	
Accumulated dose (rem)	1.8823E+00	2.5699E+01	2.6990E+00	

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	2.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.1280E-03	6.0248E-02	5.0311E-03	
Accumulated dose (rem)	8.3792E-01	1.1419E+01	1.2008E+00	

Control Room Doses:

Time (h) =	2.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	4.3029E-03	1.6812E+00	5.7421E-02	
Accumulated dose (rem)	2.0067E-02	6.5626E+00	2.2801E-01	

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	2.0000	Ci	kg	Atoms	Decay
Kr-85	3.4515E+03	8.7972E-03	6.2327E+22	9.2615E+17	
Kr-85m	5.1391E+04	6.2447E-02	4.4243E+23	1.3790E+19	

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Kr-87	3.2837E+04	1.1593E-06	8.0245E+18	1.6027E+19
Kr-88	8.4332E+04	6.7254E-06	4.6024E+19	2.9223E+19
Rb-86	9.0592E-02	1.1134E-09	7.7963E+15	2.4347E+13
I-131	2.0932E+03	1.6884E-05	7.7618E+19	5.6372E+17
I-132	1.6573E+03	1.6056E-07	7.3252E+17	6.1160E+17
I-133	3.9421E+03	3.4800E-06	1.5757E+19	1.0941E+18
I-134	9.4954E+02	3.5594E-08	1.5997E+17	6.2611E+17
I-135	3.2022E+03	9.1182E-07	4.0675E+18	9.5669E+17
Xe-133	4.0039E+05	2.1391E-03	9.6855E+21	1.0803E+20
Xe-135	1.2601E+05	4.9344E-05	2.2012E+20	3.6481E+19
Cs-134	9.7982E+00	7.5730E-06	3.4034E+19	2.6293E+15
Cs-136	2.7152E+00	3.7046E-08	1.6404E+17	7.3020E+14
Cs-137	4.8144E+00	5.5349E-05	2.4330E+20	1.2919E+15

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	2.0000	Atmosphere	Sump	
Noble gases (atoms)	5.1472E+23	0.0000E+00		
Elemental I (atoms)	9.5385E+19	0.0000E+00		
Organic I (atoms)	2.9500E+18	0.0000E+00		
Aerosols (kg)	6.2960E-05	0.0000E+00		
Dose Effective (Ci/cc) I-131 (Thyroid)				1.8318E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)				2.2404E-06
Total I (Ci)				1.1844E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 2.0000 Leakage Transport

Noble gases (atoms)	3.9340E+20
Elemental I (atoms)	7.4126E+16
Organic I (atoms)	2.2926E+15
Aerosols (kg)	4.8112E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) =	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) =	Ci	kg	Atoms	Bq
Kr-85	1.1249E+03	2.8673E-03	2.0314E+22	4.1622E+13
Kr-85m	1.6750E+04	2.0354E-02	1.4420E+23	6.1976E+14
Kr-87	2.9637E+04	1.0463E-06	7.2425E+18	1.0966E+15
Kr-88	4.3364E+04	3.4583E-06	2.3666E+19	1.6045E+15
Rb-86	2.9612E-02	3.6393E-10	2.5484E+15	1.0956E+09
I-131	6.8683E+02	5.5400E-06	2.5468E+19	2.5413E+13
I-132	9.4854E+02	9.1894E-08	4.1924E+17	3.5096E+13
I-133	1.3674E+03	1.2070E-06	5.4654E+18	5.0592E+13
I-134	1.3565E+03	5.0848E-08	2.2852E+17	5.0189E+13
I-135	1.2695E+03	6.149E-07	1.6126E+18	4.6972E+13
Xe-133	1.3183E+05	7.0431E-04	3.1891E+21	4.8779E+15
Xe-135	4.7207E+04	1.8486E-05	8.2462E+19	1.7467E+15
Cs-134	3.1937E+00	2.4684E-06	1.1093E+19	1.1817E+11
Cs-136	8.8859E-01	1.2124E-08	5.3686E+16	3.2878E+10
Cs-137	1.5691E+00	1.8040E-05	7.9298E+19	5.8058E+10

Environment Transport Group Inventory:

Total Release
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Time (h) =	2.0000	Release	Rate/s	
Noble gases (atoms)		1.6782E+23	2.3308E+19	
Elemental I (atoms)		3.2198E+19	4.4719E+15	
Organic I (atoms)		9.9581E+17	1.3831E+14	
Aerosols (kg)		2.0521E-05	2.8501E-09	
Dose Effective (Ci)	I-131 (Thyroid)			9.5818E+02
Dose Effective (Ci)	I-131 (ICRP2 Thyroid)			1.2153E+03
Total I (Ci)				5.6287E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 2.0000 Leakage Transport

Noble gases (atoms)	3.9340E+20
Elemental I (atoms)	7.4126E+16
Organic I (atoms)	2.2926E+15
Aerosols (kg)	4.8112E-08

Normal Environment to Control Room Transport Group Inventory:

Time (h) =	2.0000	Pathway	
		Filtered	Transported
Noble gases (atoms)		0.0000E+00	6.6495E+18
Elemental I (atoms)		0.0000E+00	1.2739E+15
Organic I (atoms)		0.0000E+00	3.9399E+13
Aerosols (kg)		0.0000E+00	8.1310E-10

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) =	2.0000	Pathway	
		Filtered	Transported
Noble gases (atoms)		5.9854E+18	0.0000E+00
Elemental I (atoms)		1.1357E+15	0.0000E+00
Organic I (atoms)		3.5126E+13	0.0000E+00
Aerosols (kg)		7.3195E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) =	2.0000	Pathway	
		Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9217E+23
Elemental I (atoms)		0.0000E+00	3.6947E+19
Organic I (atoms)		0.0000E+00	1.1427E+18
Aerosols (kg)		0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) =	2.0000	Ci	kg	Atoms	Decay
Kr-85		2.0886E+02	5.3236E-04	3.7717E+21	5.5875E+16
Kr-85m		3.1099E+03	3.7790E-03	2.6773E+22	8.3197E+17
Kr-87		1.9871E+03	7.0153E-08	4.8560E+17	9.6531E+17
Kr-88		5.1033E+03	4.0699E-07	2.7851E+18	1.7618E+18
Rb-86		5.4821E-03	6.7375E-11	4.7179E+14	1.4689E+12
I-131		1.2667E+02	1.0217E-06	4.6970E+18	3.4009E+16
I-132		1.0029E+02	9.7163E-09	4.4328E+16	3.6866E+16
I-133		2.3856E+02	2.1059E-07	9.5352E+17	6.6002E+16
I-134		5.7461E+01	2.1540E-09	9.6802E+15	3.7677E+16
I-135		1.9378E+02	5.5178E-08	2.4614E+17	5.7701E+16
Xe-133		2.4230E+04	1.2944E-04	5.8611E+20	6.5175E+18
Xe-135		7.6255E+03	2.9860E-06	1.3320E+19	2.2005E+18
Cs-134		5.9293E-01	4.5828E-07	2.0596E+18	1.5863E+14
Cs-136		1.6431E-01	2.2418E-09	9.9270E+15	4.4053E+13
Cs-137		2.9134E-01	3.3494E-06	1.4723E+19	7.7939E+13

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MVP Holdup Transport Group Inventory:

Time (h) =	2.0000	Atmosphere	Sump
Noble gases (atoms)		3.1148E+22	0.0000E+00
Elemental I (atoms)		5.7721E+18	0.0000E+00
Organic I (atoms)		1.7852E+17	0.0000E+00
Aerosols (kg)		3.8100E-06	0.0000E+00
Dose Effective (Ci/cc)		I-131 (Thyroid)	1.9355E-06
Dose Effective (Ci/cc)		I-131 (ICRP2 Thyroid)	2.3672E-06
Total I (Ci)			7.1676E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

		Pathway	
Time (h) =	2.0000	Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18
Aerosols (kg)		0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

		Pathway	
Time (h) =	2.0000	Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9217E+23
Elemental I (atoms)		0.0000E+00	3.6947E+19
Organic I (atoms)		0.0000E+00	1.1427E+18
Aerosols (kg)		0.0000E+00	2.3498E-05

Detailed model information at time (H) = 3.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) =	3.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)		6.2805E-03	1.5140E-01	1.1050E-02
Accumulated dose (rem)		1.8886E+00	2.5850E+01	2.7100E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	3.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)		1.1808E-03	2.8465E-02	2.0775E-03
Accumulated dose (rem)		8.3910E-01	1.1448E+01	1.2029E+00

Control Room Doses:

Time (h) =	3.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)		1.6395E-03	8.0950E-01	2.7141E-02
Accumulated dose (rem)		2.1707E-02	7.3721E+00	2.5515E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	3.0000	Ci	kg	Atoms	Decay
Kr-85		3.4500E+03	8.7935E-03	6.2301E+22	1.3858E+18
Kr-85m		5.1369E+04	6.2420E-02	4.4224E+23	2.0634E+19
Kr-87		1.9031E+04	6.7187E-07	4.6507E+18	1.9398E+19
Kr-88		6.6041E+04	5.2667E-06	3.6042E+19	3.9188E+19
Rb-86		9.0414E-02	1.1112E-09	7.7810E+15	3.6402E+13
I-131		2.0848E+03	1.6817E-05	7.7307E+19	8.4197E+17
I-132		1.2256E+03	1.1874E-07	5.4170E+17	8.0215E+17
I-133		3.8113E+03	3.3645E-06	1.5234E+19	1.6104E+18
I-134		4.3048E+02	1.6137E-08	7.2521E+16	7.1351E+17
I-135		2.8822E+03	8.2071E-07	3.6610E+18	1.3615E+18
Xe-133		3.9805E+05	2.1265E-03	9.6288E+21	1.6121E+20
Xe-135		1.1690E+05	4.5777E-05	2.0420E+20	5.2650E+19

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Cs-134	9.7937E+00	7.5696E-06	3.4019E+19	3.9341E+15
Cs-136	2.7081E+00	3.6949E-08	1.6361E+17	1.0914E+15
Cs-137	4.8123E+00	5.5326E-05	2.4320E+20	1.9330E+15

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	3.0000	Atmosphere	Sump	
Noble gases (atoms)	5.1441E+23	0.0000E+00		
Elemental I (atoms)	9.3912E+19	0.0000E+00		
Organic I (atoms)	2.9045E+18	0.0000E+00		
Aerosols (kg)	6.2933E-05	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)			1.8045E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)			2.1798E-06
Total I (Ci)				1.0434E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 3.0000 Leakage Transport

Noble gases (atoms)	6.0780E+20
Elemental I (atoms)	1.1359E+17
Organic I (atoms)	3.5130E+15
Aerosols (kg)	7.4340E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	3.0000	Pathway	
		Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23	
Elemental I (atoms)	0.0000E+00	3.8180E+19	
Organic I (atoms)	0.0000E+00	1.1808E+18	
Aerosols (kg)	0.0000E+00	2.4281E-05	

Environment Integral Nuclide Release:

Time (h) =	3.0000	Ci	kg	Atoms	Bq
Kr-85		1.1264E+03	2.8709E-03	2.0340E+22	4.1676E+13
Kr-85m		1.6772E+04	2.0380E-02	1.4439E+23	6.2055E+14
Kr-87		2.9647E+04	1.0467E-06	7.2450E+18	1.0970E+15
Kr-88		4.3395E+04	3.4607E-06	2.3683E+19	1.6056E+15
Rb-86		2.9649E-02	3.6439E-10	2.5516E+15	1.0970E+09
I-131		6.8770E+02	5.5471E-06	2.5500E+19	2.5445E+13
I-132		9.4913E+02	9.1951E-08	4.1950E+17	3.5118E+13
I-133		1.3690E+03	1.2085E-06	5.4718E+18	5.0652E+13
I-134		1.3567E+03	5.0858E-08	2.2856E+17	5.0199E+13
I-135		1.2708E+03	3.6185E-07	1.6142E+18	4.7018E+13
Xe-133		1.3200E+05	7.0520E-04	3.1931E+21	4.8840E+15
Xe-135		4.7258E+04	1.8505E-05	8.2550E+19	1.7485E+15
Cs-134		3.1978E+00	2.4716E-06	1.1108E+19	1.1832E+11
Cs-136		8.8972E-01	1.2140E-08	5.3755E+16	3.2920E+10
Cs-137		1.5711E+00	1.8063E-05	7.9399E+19	5.8132E+10

Environment Transport Group Inventory:

Time (h) =	3.0000	Total Release	Release Rate/s	
Noble gases (atoms)		1.6803E+23	1.5559E+19	
Elemental I (atoms)		3.2237E+19	2.9849E+15	
Organic I (atoms)		9.9703E+17	9.2317E+13	
Aerosols (kg)		2.0547E-05	1.9025E-09	
Dose Effective (Ci)	I-131 (Thyroid)			9.5936E+02
Dose Effective (Ci)	I-131 (ICRP2 Thyroid)			1.2167E+03
Total I (Ci)				5.6333E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

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Time (h) = 3.0000 Leakage Transport

Noble gases (atoms) 6.0780E+20
 Elemental I (atoms) 1.1359E+17
 Organic I (atoms) 3.5130E+15
 Aerosols (kg) 7.4340E-08

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 3.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1828E+18
Elemental I (atoms)	0.0000E+00	1.3721E+15
Organic I (atoms)	0.0000E+00	4.2435E+13
Aerosols (kg)	0.0000E+00	8.7833E-10

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 3.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	6.7523E+18	0.0000E+00
Elemental I (atoms)	1.2770E+15	0.0000E+00
Organic I (atoms)	3.9494E+13	0.0000E+00
Aerosols (kg)	8.2577E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 3.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 3.0000	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3235E-04	3.7717E+21	8.3696E+16
Kr-85m	3.1099E+03	3.7789E-03	2.6773E+22	1.2462E+18
Kr-87	1.1521E+03	4.0675E-08	2.8155E+17	1.1694E+18
Kr-88	3.9981E+03	3.1885E-07	2.1820E+18	2.3649E+18
Rb-86	5.4736E-03	6.7271E-11	4.7106E+14	2.1985E+12
I-131	1.2622E+02	1.0181E-06	4.6801E+18	5.0851E+16
I-132	7.4197E+01	7.1882E-09	3.2794E+16	4.8400E+16
I-133	2.3074E+02	2.0369E-07	9.2227E+17	9.7254E+16
I-134	2.6061E+01	9.7692E-10	4.3904E+15	4.2967E+16
I-135	1.7449E+02	4.9685E-08	2.2164E+17	8.2205E+16
Xe-133	2.4098E+04	1.2874E-04	5.8293E+20	9.7361E+18
Xe-135	7.0772E+03	2.7713E-06	1.2362E+19	3.1792E+18
Cs-134	5.9291E-01	4.5826E-07	2.0595E+18	2.3760E+14
Cs-136	1.6394E-01	2.2369E-09	9.9051E+15	6.5914E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	1.1674E+14

MVP Holdup Transport Group Inventory:

Time (h) = 3.0000	Atmosphere	Sump	
Noble gases (atoms)	3.1142E+22	0.0000E+00	
Elemental I (atoms)	5.6854E+18	0.0000E+00	
Organic I (atoms)	1.7584E+17	0.0000E+00	
Aerosols (kg)	3.8100E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.9075E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.3041E-06
Total I (Ci)			6.3170E+02

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DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 3.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 3.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 4.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 4.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	5.0390E-03	1.4920E-01	9.7293E-03
Accumulated dose (rem)	1.8937E+00	2.5999E+01	2.7198E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 4.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	9.4740E-04	2.8051E-02	1.8292E-03
Accumulated dose (rem)	8.4004E-01	1.1476E+01	1.2047E+00

Control Room Doses:

Time (h) = 4.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	9.8818E-04	6.0305E-01	1.9946E-02
Accumulated dose (rem)	2.2695E-02	7.9751E+00	2.7509E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 4.0000	Ci	kg	Atoms	Decay
Kr-85	3.4485E+03	8.7898E-03	6.2274E+22	1.8452E+18
Kr-85m	5.1347E+04	6.2393E-02	4.4205E+23	2.7475E+19
Kr-87	1.1030E+04	3.8939E-07	2.6953E+18	2.1352E+19
Kr-88	5.1717E+04	4.1244E-06	2.8225E+19	4.6991E+19
Rb-86	9.0237E-02	1.1090E-09	7.7658E+15	4.8433E+13
I-131	2.0765E+03	1.6749E-05	7.6998E+19	1.1191E+18
I-132	9.0633E+02	8.7804E-08	4.0058E+17	9.4307E+17
I-133	3.6849E+03	3.2529E-06	1.4729E+19	2.1096E+18
I-134	1.9516E+02	7.3157E-09	3.2878E+16	7.5313E+17
I-135	2.5942E+03	7.3870E-07	3.2952E+18	1.7259E+18
Xe-133	3.9572E+05	2.1141E-03	9.5725E+21	2.1407E+20
Xe-135	1.0845E+05	4.2466E-05	1.8943E+20	6.7650E+19
Cs-134	9.7893E+00	7.5661E-06	3.4003E+19	5.2383E+15
Cs-136	2.7010E+00	3.6853E-08	1.6319E+17	1.4516E+15
Cs-137	4.8103E+00	5.5303E-05	2.4309E+20	2.5738E+15

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 4.0000	Atmosphere	Sump
Noble gases (atoms)	5.1412E+23	0.0000E+00
Elemental I (atoms)	9.2592E+19	0.0000E+00
Organic I (atoms)	2.8637E+18	0.0000E+00
Aerosols (kg)	6.2907E-05	0.0000E+00

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Dose Effective (Ci/cc) I-131 (Thyroid) 1.7789E-06
 Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid) 2.1274E-06
 Total I (Ci) 9.4571E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 4.0000 Leakage Transport

Noble gases (atoms) 8.2208E+20
 Elemental I (atoms) 1.5246E+17
 Organic I (atoms) 4.7154E+15
 Aerosols (kg) 1.0056E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 4.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 4.0000	Ci	kg	Atoms	Bq
Kr-85	1.1278E+03	2.8746E-03	2.0366E+22	4.1729E+13
Kr-85m	1.6793E+04	2.0406E-02	1.4457E+23	6.2134E+14
Kr-87	2.9653E+04	1.0469E-06	7.2465E+18	1.0972E+15
Kr-88	4.3419E+04	3.4627E-06	2.3696E+19	1.6065E+15
Rb-86	2.9687E-02	3.6485E-10	2.5549E+15	1.0984E+09
I-131	6.8856E+02	5.5541E-06	2.5532E+19	2.5477E+13
I-132	9.4957E+02	9.1993E-08	4.1969E+17	3.5134E+13
I-133	1.3705E+03	1.2098E-06	5.4781E+18	5.0709E+13
I-134	1.3569E+03	5.0863E-08	2.2858E+17	5.0204E+13
I-135	1.2719E+03	3.6217E-07	1.6156E+18	4.7060E+13
Xe-133	1.3217E+05	7.0608E-04	3.1971E+21	4.8901E+15
Xe-135	4.7305E+04	1.8524E-05	8.2632E+19	1.7503E+15
Cs-134	3.2019E+00	2.4747E-06	1.1122E+19	1.1847E+11
Cs-136	8.9085E-01	1.2155E-08	5.3823E+16	3.2961E+10
Cs-137	1.5731E+00	1.8086E-05	7.9500E+19	5.8206E+10

Environment Transport Group Inventory:

Time (h) = 4.0000	Total Release	Release Rate/s	
Noble gases (atoms)	1.6825E+23	1.1684E+19	
Elemental I (atoms)	3.2276E+19	2.2414E+15	
Organic I (atoms)	9.9823E+17	6.9321E+13	
Aerosols (kg)	2.0573E-05	1.4287E-09	
Dose Effective (Ci) I-131 (Thyroid)			9.6052E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2181E+03
Total I (Ci)			5.6374E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 4.0000 Leakage Transport

Noble gases (atoms) 8.2208E+20
 Elemental I (atoms) 1.5246E+17
 Organic I (atoms) 4.7154E+15
 Aerosols (kg) 1.0056E-07

Normal Environment to Control Room Transport Group Inventory:

Pathway

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Time (h) = 4.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.7158E+18
Elemental I (atoms)	0.0000E+00	1.4688E+15
Organic I (atoms)	0.0000E+00	4.5426E+13
Aerosols (kg)	0.0000E+00	9.4355E-10

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway	
Time (h) = 4.0000	Filtered	Transported
Noble gases (atoms)	7.3323E+18	0.0000E+00
Elemental I (atoms)	1.3822E+15	0.0000E+00
Organic I (atoms)	4.2749E+13	0.0000E+00
Aerosols (kg)	8.9673E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 4.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 4.0000	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3235E-04	3.7716E+21	1.1152E+17
Kr-85m	3.1098E+03	3.7788E-03	2.6773E+22	1.6604E+18
Kr-87	6.6801E+02	2.3583E-08	1.6324E+17	1.2877E+18
Kr-88	3.1322E+03	2.4980E-07	1.7094E+18	2.8375E+18
Rb-86	5.4652E-03	6.7166E-11	4.7033E+14	2.9270E+12
I-131	1.2576E+02	1.0144E-06	4.6634E+18	6.7633E+16
I-132	5.4892E+01	5.3178E-09	2.4261E+16	5.6932E+16
I-133	2.2317E+02	1.9701E-07	8.9204E+17	1.2748E+17
I-134	1.1820E+01	4.4308E-10	1.9912E+15	4.5366E+16
I-135	1.5712E+02	4.4739E-08	1.9957E+17	1.0427E+17
Xe-133	2.3967E+04	1.2804E-04	5.7975E+20	1.2937E+19
Xe-135	6.5680E+03	2.5719E-06	1.1473E+19	4.0874E+18
Cs-134	5.9289E-01	4.5824E-07	2.0594E+18	3.1658E+14
Cs-136	1.6358E-01	2.2320E-09	9.8833E+15	8.7728E+13
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	1.5555E+14

MVP Holdup Transport Group Inventory:

Time (h) = 4.0000	Atmosphere	Sump	
Noble gases (atoms)	3.1137E+22	0.0000E+00	
Elemental I (atoms)	5.6078E+18	0.0000E+00	
Organic I (atoms)	1.7344E+17	0.0000E+00	
Aerosols (kg)	3.8099E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.8812E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.2497E-06
Total I (Ci)			5.7277E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 4.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

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	Pathway	
Time (h) =	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 5.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) =	Whole Body	Thyroid	TEDE
Delta dose (rem)	4.1142E-03	1.4712E-01	8.7318E-03
Accumulated dose (rem)	1.8978E+00	2.6146E+01	2.7285E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	Whole Body	Thyroid	TEDE
Delta dose (rem)	7.7351E-04	2.7661E-02	1.6417E-03
Accumulated dose (rem)	8.4082E-01	1.1503E+01	1.2064E+00

Control Room Doses:

Time (h) =	Whole Body	Thyroid	TEDE
Delta dose (rem)	7.5332E-04	5.5614E-01	1.8209E-02
Accumulated dose (rem)	2.3448E-02	8.5313E+00	2.9330E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	Ci	kg	Atoms	Decay
Kr-85	3.4471E+03	8.7860E-03	6.2248E+22	2.3044E+18
Kr-85m	5.1325E+04	6.2366E-02	4.4186E+23	3.4312E+19
Kr-87	6.3923E+03	2.2567E-07	1.5621E+18	2.2484E+19
Kr-88	4.0500E+04	3.2299E-06	2.2103E+19	5.3102E+19
Rb-86	9.0060E-02	1.1068E-09	7.7505E+15	6.0440E+13
I-131	2.0682E+03	1.6682E-05	7.6690E+19	1.3951E+18
I-132	6.7023E+02	6.4931E-08	2.9623E+17	1.0473E+18
I-133	3.5626E+03	3.1449E-06	1.4240E+19	2.5922E+18
I-134	8.8477E+01	3.3166E-09	1.4905E+16	7.7109E+17
I-135	2.3350E+03	6.6488E-07	2.9659E+18	2.0539E+18
Xe-133	3.9340E+05	2.1017E-03	9.5164E+21	2.6663E+20
Xe-135	1.0060E+05	3.9392E-05	1.7572E+20	8.1564E+19
Cs-134	9.7848E+00	7.5627E-06	3.3988E+19	6.5419E+15
Cs-136	2.6939E+00	3.6756E-08	1.6276E+17	1.8109E+15
Cs-137	4.8083E+00	5.5279E-05	2.4299E+20	3.2144E+15

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	Atmosphere	Sump	
Noble gases (atoms)	5.1382E+23	0.0000E+00	
Elemental I (atoms)	9.1381E+19	0.0000E+00	
Organic I (atoms)	2.8262E+18	0.0000E+00	
Aerosols (kg)	6.2880E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.7547E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.0806E-06
Total I (Ci)			8.7245E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 5.0000 Leakage Transport

Noble gases (atoms)	1.0362E+21
Elemental I (atoms)	1.9081E+17
Organic I (atoms)	5.9014E+15

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1.2676E-07

Aerosols (kg)

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 5.0000		
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 5.0000	Ci	kg	Atoms	Bq
Kr-85	1.1292E+03	2.8783E-03	2.0392E+22	4.1782E+13
Kr-85m	1.6814E+04	2.0432E-02	1.4476E+23	6.2213E+14
Kr-87	2.9657E+04	1.0470E-06	7.2473E+18	1.0973E+15
Kr-88	4.3438E+04	3.4642E-06	2.3706E+19	1.6072E+15
Rb-86	2.9725E-02	3.6531E-10	2.5581E+15	1.0998E+09
I-131	6.8943E+02	5.5610E-06	2.5564E+19	2.5509E+13
I-132	9.4989E+02	9.2024E-08	4.1984E+17	3.5146E+13
I-133	1.3720E+03	1.2112E-06	5.4841E+18	5.0765E+13
I-134	1.3569E+03	5.0865E-08	2.2859E+17	5.0206E+13
I-135	1.2729E+03	3.6246E-07	1.6169E+18	4.7098E+13
Xe-133	1.3233E+05	7.0696E-04	3.2011E+21	4.8962E+15
Xe-135	4.7348E+04	1.8541E-05	8.2707E+19	1.7519E+15
Cs-134	3.2059E+00	2.4779E-06	1.1136E+19	1.1862E+11
Cs-136	8.9197E-01	1.2170E-08	5.3891E+16	3.3003E+10
Cs-137	1.5751E+00	1.8109E-05	7.9601E+19	5.8280E+10

Environment Transport Group Inventory:

Time (h) = 5.0000	Total Release	Release Rate/s
Noble gases (atoms)	1.6846E+23	9.3591E+18
Elemental I (atoms)	3.2314E+19	1.7952E+15
Organic I (atoms)	9.9941E+17	5.5523E+13
Aerosols (kg)	2.0599E-05	1.1444E-09
Dose Effective (Ci) I-131 (Thyroid)		9.6166E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		1.2195E+03
Total I (Ci)		5.6412E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 5.0000 Leakage Transport

Noble gases (atoms)	1.0362E+21
Elemental I (atoms)	1.9081E+17
Organic I (atoms)	5.9014E+15
Aerosols (kg)	1.2676E-07

Normal Environment to Control Room Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 5.0000		
Noble gases (atoms)	0.0000E+00	8.2485E+18
Elemental I (atoms)	0.0000E+00	1.5642E+15
Organic I (atoms)	0.0000E+00	4.8376E+13
Aerosols (kg)	0.0000E+00	1.0087E-09

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 5.0000	Pathway	
	Filtered	Transported

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Noble gases (atoms)	7.8745E+18	0.0000E+00
Elemental I (atoms)	1.4793E+15	0.0000E+00
Organic I (atoms)	4.5752E+13	0.0000E+00
Aerosols (kg)	9.6308E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 5.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 5.0000	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3235E-04	3.7716E+21	1.3934E+17
Kr-85m	3.1098E+03	3.7788E-03	2.6772E+22	2.0747E+18
Kr-87	3.8731E+02	1.3674E-08	9.4648E+16	1.3563E+18
Kr-88	2.4539E+03	1.9570E-07	1.3392E+18	3.2077E+18
Rb-86	5.4567E-03	6.7063E-11	4.6960E+14	3.6544E+12
I-131	1.2531E+02	1.0108E-06	4.6466E+18	8.4355E+16
I-132	4.0609E+01	3.9342E-09	1.7949E+16	6.3245E+16
I-133	2.1586E+02	1.9055E-07	8.6281E+17	1.5672E+17
I-134	5.3608E+00	2.0095E-10	9.0311E+14	4.6455E+16
I-135	1.4148E+02	4.0285E-08	1.7971E+17	1.2414E+17
Xe-133	2.3836E+04	1.2734E-04	5.7660E+20	1.6121E+19
Xe-135	6.0951E+03	2.3867E-06	1.0647E+19	4.9303E+18
Cs-134	5.9286E-01	4.5822E-07	2.0593E+18	3.9555E+14
Cs-136	1.6322E-01	2.2271E-09	9.8615E+15	1.0949E+14
Cs-137	2.9134E-01	3.3494E-06	1.4723E+19	1.9436E+14

MVP Holdup Transport Group Inventory:

Time (h) = 5.0000	Atmosphere	Sump
Noble gases (atoms)	3.1132E+22	0.0000E+00
Elemental I (atoms)	5.5368E+18	0.0000E+00
Organic I (atoms)	1.7124E+17	0.0000E+00
Aerosols (kg)	3.8099E-06	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.8564E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		2.2011E-06
Total I (Ci)		5.2862E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 5.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 5.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 6.0000

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CRDA @ EAB - Condenser Release Doses:

Time (h) =	6.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)		3.4128E-03	1.4516E-01	7.9627E-03
Accumulated dose (rem)		1.9012E+00	2.6292E+01	2.7365E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	6.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)		6.4165E-04	2.7291E-02	1.4971E-03
Accumulated dose (rem)		8.4146E-01	1.1531E+01	1.2079E+00

Control Room Doses:

Time (h) =	6.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)		6.1601E-04	5.4108E-01	1.7576E-02
Accumulated dose (rem)		2.4064E-02	9.0724E+00	3.1088E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	6.0000	Ci	kg	Atoms	Decay
Kr-85		3.4456E+03	8.7823E-03	6.2221E+22	2.7635E+18
Kr-85m		5.1302E+04	6.2339E-02	4.4167E+23	4.1147E+19
Kr-87		3.7047E+03	1.3079E-07	9.0533E+17	2.3141E+19
Kr-88		3.1716E+04	2.5294E-06	1.7309E+19	5.7888E+19
Rb-86		8.9883E-02	1.1047E-09	7.7353E+15	7.2424E+13
I-131		2.0599E+03	1.6616E-05	7.6383E+19	1.6701E+18
I-132		4.9563E+02	4.8016E-08	2.1906E+17	1.1243E+18
I-133		3.4444E+03	3.0406E-06	1.3768E+19	3.0589E+18
I-134		4.0111E+01	1.5036E-09	6.7574E+15	7.7923E+17
I-135		2.1016E+03	5.9844E-07	2.6695E+18	2.3491E+18
Xe-133		3.9110E+05	2.0894E-03	9.4607E+21	3.1887E+20
Xe-135		9.3310E+04	3.6539E-05	1.6299E+20	9.4471E+19
Cs-134		9.7804E+00	7.5593E-06	3.3972E+19	7.8449E+15
Cs-136		2.6868E+00	3.6660E-08	1.6233E+17	2.1692E+15
Cs-137		4.8063E+00	5.5256E-05	2.4289E+20	3.8548E+15

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	6.0000	Atmosphere	Sump
Noble gases (atoms)		5.1353E+23	0.0000E+00
Elemental I (atoms)		9.0255E+19	0.0000E+00
Organic I (atoms)		2.7914E+18	0.0000E+00
Aerosols (kg)		6.2853E-05	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)			1.7318E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.0380E-06
Total I (Ci)			8.1417E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 6.0000 Leakage Transport

Noble gases (atoms)	1.2503E+21
Elemental I (atoms)	2.2867E+17
Organic I (atoms)	7.0724E+15
Aerosols (kg)	1.5296E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	6.0000	Pathway	Transported
Noble gases (atoms)		Filtered	1.9857E+23
Elemental I (atoms)		3.8180E+19	
Organic I (atoms)		1.1808E+18	
Aerosols (kg)		2.4281E-05	

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Environment Integral Nuclide Release:

Time (h) =	Ci	kg	Atoms	Bq
6.0000				
Kr-85	1.1307E+03	2.8819E-03	2.0418E+22	4.1835E+13
Kr-85m	1.6836E+04	2.0458E-02	1.4494E+23	6.2292E+14
Kr-87	2.9659E+04	1.0471E-06	7.2478E+18	1.0974E+15
Kr-88	4.3453E+04	3.4653E-06	2.3715E+19	1.6078E+15
Rb-86	2.9762E-02	3.6577E-10	2.5613E+15	1.1012E+09
I-131	6.9029E+02	5.5680E-06	2.5596E+19	2.5541E+13
I-132	9.5012E+02	9.2047E-08	4.1994E+17	3.5155E+13
I-133	1.3735E+03	1.2125E-06	5.4899E+18	5.0819E+13
I-134	1.3569E+03	5.0866E-08	2.2860E+17	5.0206E+13
I-135	1.2738E+03	3.6273E-07	1.6181E+18	4.7132E+13
Xe-133	1.3249E+05	7.0784E-04	3.2050E+21	4.9023E+15
Xe-135	4.7388E+04	1.8556E-05	8.2778E+19	1.7534E+15
Cs-134	3.2100E+00	2.4810E-06	1.1150E+19	1.1877E+11
Cs-136	8.9309E-01	1.2186E-08	5.3958E+16	3.3044E+10
Cs-137	1.5771E+00	1.8132E-05	7.9703E+19	5.8354E+10

Environment Transport Group Inventory:

Time (h) =	Total Release	Release Rate/s
6.0000		
Noble gases (atoms)	1.6868E+23	7.8091E+18
Elemental I (atoms)	3.2352E+19	1.4978E+15
Organic I (atoms)	1.0006E+18	4.6323E+13
Aerosols (kg)	2.0625E-05	9.5488E-10
Dose Effective (Ci) I-131 (Thyroid)		9.6279E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		1.2208E+03
Total I (Ci)		5.6447E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 6.0000 Leakage Transport

Noble gases (atoms)	1.2503E+21
Elemental I (atoms)	2.2867E+17
Organic I (atoms)	7.0724E+15
Aerosols (kg)	1.5296E-07

Normal Environment to Control Room Transport Group Inventory:

Time (h) =	Pathway Filtered	Transported
6.0000		
Noble gases (atoms)	0.0000E+00	8.7809E+18
Elemental I (atoms)	0.0000E+00	1.6583E+15
Organic I (atoms)	0.0000E+00	5.1289E+13
Aerosols (kg)	0.0000E+00	1.0739E-09

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) =	Pathway Filtered	Transported
6.0000		
Noble gases (atoms)	8.4089E+18	0.0000E+00
Elemental I (atoms)	1.5738E+15	0.0000E+00
Organic I (atoms)	4.8676E+13	0.0000E+00
Aerosols (kg)	1.0285E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) =	Pathway Filtered	Transported
6.0000		
Noble gases (atoms)	0.0000E+00	1.9217E+23

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Elemental I (atoms) 0.0000E+00 3.6947E+19
 Organic I (atoms) 0.0000E+00 1.1427E+18
 Aerosols (kg) 0.0000E+00 2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 6.0000	Ci	kg	Atoms	Decay
Kr-85	2.0886E+02	5.3234E-04	3.7716E+21	1.6716E+17
Kr-85m	3.1097E+03	3.7787E-03	2.6772E+22	2.4889E+18
Kr-87	2.2456E+02	7.9279E-09	5.4877E+16	1.3960E+18
Kr-88	1.9225E+03	1.5332E-07	1.0492E+18	3.4977E+18
Rb-86	5.4483E-03	6.6959E-11	4.6888E+14	4.3807E+12
I-131	1.2486E+02	1.0072E-06	4.6300E+18	1.0102E+17
I-132	3.0043E+01	2.9105E-09	1.3278E+16	6.7915E+16
I-133	2.0878E+02	1.8431E-07	8.3453E+17	1.8500E+17
I-134	2.4314E+00	9.1142E-11	4.0960E+14	4.6948E+16
I-135	1.2739E+02	3.6275E-08	1.6182E+17	1.4203E+17
Xe-133	2.3707E+04	1.2665E-04	5.7346E+20	1.9287E+19
Xe-135	5.6560E+03	2.2148E-06	9.8799E+18	5.7125E+18
Cs-134	5.9284E-01	4.5821E-07	2.0592E+18	4.7452E+18
Cs-136	1.6286E-01	2.2222E-09	9.8398E+15	1.3121E+14
Cs-137	2.9133E-01	3.3494E-06	1.4723E+19	2.3316E+14

MVP Holdup Transport Group Inventory:

Time (h) = 6.0000	Atmosphere	Sump
Noble gases (atoms)	3.1128E+22	0.0000E+00
Elemental I (atoms)	5.4708E+18	0.0000E+00
Organic I (atoms)	1.6920E+17	0.0000E+00
Aerosols (kg)	3.8099E-06	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.8328E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		2.1569E-06
Total I (Ci)		4.9351E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 6.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 6.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 7.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 7.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	2.8731E-03	1.4328E-01	7.3592E-03
Accumulated dose (rem)	1.9041E+00	2.6435E+01	2.7438E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 7.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	5.4018E-04	2.6939E-02	1.3836E-03

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Accumulated dose (rem) 8.4200E-01 1.1558E+01 1.2092E+00

Control Room Doses:

Time (h) = 7.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	5.1710E-04	5.3260E-01	1.7192E-02
Accumulated dose (rem)	2.4581E-02	9.6050E+00	3.2807E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 7.0000	Ci	kg	Atoms	Decay
Kr-85	3.4441E+03	8.7786E-03	6.2195E+22	3.2223E+18
Kr-85m	5.1280E+04	6.2313E-02	4.4148E+23	4.7979E+19
Kr-87	2.1471E+03	7.5801E-08	5.2470E+17	2.3521E+19
Kr-88	2.4837E+04	1.9808E-06	1.3555E+19	6.1636E+19
Rb-86	8.9706E-02	1.1025E-09	7.7201E+15	8.4385E+13
I-131	2.0517E+03	1.6549E-05	7.6077E+19	1.9439E+18
I-132	3.6652E+02	3.5508E-08	1.6199E+17	1.1813E+18
I-133	3.3301E+03	2.9397E-06	1.3311E+19	3.5100E+18
I-134	1.8185E+01	6.8167E-10	3.0635E+15	7.8293E+17
I-135	1.8916E+03	5.3864E-07	2.4028E+18	2.6148E+18
Xe-133	3.8881E+05	2.0772E-03	9.4052E+21	3.7081E+20
Xe-135	8.6548E+04	3.3891E-05	1.5118E+20	1.0644E+20
Cs-134	9.7759E+00	7.5558E-06	3.3957E+19	9.1474E+15
Cs-136	2.6798E+00	3.6564E-08	1.6191E+17	2.5267E+15
Cs-137	4.8043E+00	5.5233E-05	2.4279E+20	4.4948E+15

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 7.0000	Atmosphere	Sump	
Noble gases (atoms)	5.1324E+23	0.0000E+00	
Elemental I (atoms)	8.9197E+19	0.0000E+00	
Organic I (atoms)	2.7587E+18	0.0000E+00	
Aerosols (kg)	6.2827E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.7098E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			1.9986E-06
Total I (Ci)			7.6581E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 7.0000 Leakage Transport

Noble gases (atoms)	1.4642E+21
Elemental I (atoms)	2.6608E+17
Organic I (atoms)	8.2292E+15
Aerosols (kg)	1.7914E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 7.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 7.0000	Ci	kg	Atoms	Bq
Kr-85	1.1321E+03	2.8856E-03	2.0444E+22	4.1888E+13
Kr-85m	1.6857E+04	2.0484E-02	1.4512E+23	6.2371E+14
Kr-87	2.9660E+04	1.0471E-06	7.2481E+18	1.0974E+15
Kr-88	4.3464E+04	3.4663E-06	2.3721E+19	1.6082E+15
Rb-86	2.9799E-02	3.6623E-10	2.5645E+15	1.1026E+09
I-131	6.9114E+02	5.5749E-06	2.5628E+19	2.5572E+13

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I-132	9.5030E+02	9.2064E-08	4.2002E+17	3.5161E+13
I-133	1.3749E+03	1.2137E-06	5.4956E+18	5.0871E+13
I-134	1.3569E+03	5.0866E-08	2.2860E+17	5.0207E+13
I-135	1.2747E+03	3.6296E-07	1.6191E+18	4.7163E+13
Xe-133	1.3266E+05	7.0870E-04	3.2090E+21	4.9083E+15
Xe-135	4.7425E+04	1.8571E-05	8.2843E+19	1.7547E+15
Cs-134	3.2141E+00	2.4842E-06	1.1164E+19	1.1892E+11
Cs-136	8.9421E-01	1.2201E-08	5.4026E+16	3.3086E+10
Cs-137	1.5791E+00	1.8155E-05	7.9804E+19	5.8428E+10

Environment Transport Group Inventory:

Time (h) = 7.0000	Total Release	Release Rate/s	
Noble gases (atoms)	1.6889E+23	6.7020E+18	
Elemental I (atoms)	3.2390E+19	1.2853E+15	
Organic I (atoms)	1.0017E+18	3.9751E+13	
Aerosols (kg)	2.0652E-05	8.1951E-10	
Dose Effective (Ci) I-131 (Thyroid)			9.6391E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2221E+03
Total I (Ci)			5.6479E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 7.0000 Leakage Transport

Noble gases (atoms)	1.4642E+21
Elemental I (atoms)	2.6608E+17
Organic I (atoms)	8.2292E+15
Aerosols (kg)	1.7914E-07

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 7.0000	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	9.3130E+18
Elemental I (atoms)	0.0000E+00	1.7514E+15
Organic I (atoms)	0.0000E+00	5.4166E+13
Aerosols (kg)	0.0000E+00	1.1390E-09

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 7.0000	Pathway Filtered	Transported
Noble gases (atoms)	8.9415E+18	0.0000E+00
Elemental I (atoms)	1.6670E+15	0.0000E+00
Organic I (atoms)	5.1556E+13	0.0000E+00
Aerosols (kg)	1.0937E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 7.0000	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 7.0000	Ci	kg	Atoms	Decay
Kr-85	2.0885E+02	5.3234E-04	3.7715E+21	1.9497E+17
Kr-85m	3.1097E+03	3.7787E-03	2.6771E+22	2.9031E+18
Kr-87	1.3020E+02	4.5966E-09	3.1818E+16	1.4191E+18

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Kr-88	1.5061E+03	1.2011E-07	8.2199E+17	3.7249E+18
Rb-86	5.4398E-03	6.6855E-11	4.6815E+14	5.1058E+12
I-131	1.2442E+02	1.0036E-06	4.6134E+18	1.1762E+17
I-132	2.2226E+01	2.1532E-09	9.8235E+15	7.1370E+16
I-133	2.0194E+02	1.7827E-07	8.0718E+17	2.1235E+17
I-134	1.1027E+00	4.1337E-11	1.8577E+14	4.7172E+16
I-135	1.1471E+02	3.2663E-08	1.4571E+17	1.5814E+17
Xe-133	2.3577E+04	1.2596E-04	5.7034E+20	2.2436E+19
Xe-135	5.2483E+03	2.0552E-06	9.1678E+18	6.4384E+18
Cs-134	5.9282E-01	4.5819E-07	2.0592E+18	5.5348E+14
Cs-136	1.6251E-01	2.2173E-09	9.8181E+15	1.5288E+14
Cs-137	2.9133E-01	3.3494E-06	1.4723E+19	2.7197E+14

MVP Holdup Transport Group Inventory:

	Atmosphere	Sump	
Time (h) = 7.0000			
Noble gases (atoms)	3.1123E+22	0.0000E+00	
Elemental I (atoms)	5.4090E+18	0.0000E+00	
Organic I (atoms)	1.6729E+17	0.0000E+00	
Aerosols (kg)	3.8098E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.8104E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.1161E-06
Total I (Ci)			4.6439E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 7.0000		
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 7.0000		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 8.0000

CRDA @ EAB - Condenser Release Doses:

	Whole Body	Thyroid	TEDE
Time (h) = 8.0000			
Delta dose (rem)	2.4528E-03	1.4150E-01	6.8785E-03
Accumulated dose (rem)	1.9065E+00	2.6576E+01	2.7507E+00

CRDA @ LPZ - Condenser Release Doses:

	Whole Body	Thyroid	TEDE
Time (h) = 8.0000			
Delta dose (rem)	4.6115E-04	2.6603E-02	1.2932E-03
Accumulated dose (rem)	8.4246E-01	1.1584E+01	1.2105E+00

Control Room Doses:

	Whole Body	Thyroid	TEDE
Time (h) = 8.0000			
Delta dose (rem)	4.4119E-04	5.2565E-01	1.6883E-02
Accumulated dose (rem)	2.5022E-02	1.0131E+01	3.4495E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

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Time (h) =	8.0000	Ci	kg	Atoms	Decay
Kr-85		3.4427E+03	8.7749E-03	6.2169E+22	3.6810E+18
Kr-85m		5.1258E+04	6.2286E-02	4.4129E+23	5.4808E+19
Kr-87		1.2444E+03	4.3931E-08	3.0409E+17	2.3741E+19
Kr-88		1.9450E+04	1.5512E-06	1.0615E+19	6.4571E+19
Rb-86		8.9530E-02	1.1003E-09	7.7050E+15	9.6321E+13
I-131		2.0435E+03	1.6483E-05	7.5773E+19	2.2166E+18
I-132		2.7104E+02	2.6258E-08	1.1979E+17	1.2235E+18
I-133		3.2197E+03	2.8422E-06	1.2869E+19	3.9462E+18
I-134		8.2441E+00	3.0904E-10	1.3889E+15	7.8460E+17
I-135		1.7026E+03	4.8481E-07	2.1627E+18	2.8539E+18
Xe-133		3.8653E+05	2.0650E-03	9.3501E+21	4.2245E+20
Xe-135		8.0273E+04	3.1434E-05	1.4022E+20	1.1755E+20
Cs-134		9.7715E+00	7.5524E-06	3.3941E+19	1.0449E+16
Cs-136		2.6728E+00	3.6468E-08	1.6148E+17	2.8831E+15
Cs-137		4.8023E+00	5.5210E-05	2.4269E+20	5.1346E+15

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	8.0000	Atmosphere	Sump
Noble gases (atoms)		5.1296E+23	0.0000E+00
Elemental I (atoms)		8.8198E+19	0.0000E+00
Organic I (atoms)		2.7278E+18	0.0000E+00
Aerosols (kg)		6.2800E-05	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)			1.6889E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			1.9620E-06
Total I (Ci)			7.2450E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 8.0000 Leakage Transport

Noble gases (atoms)	1.6780E+21
Elemental I (atoms)	3.0305E+17
Organic I (atoms)	9.3728E+15
Aerosols (kg)	2.0531E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	8.0000	Pathway	
		Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18
Aerosols (kg)		0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) =	8.0000	Ci	kg	Atoms	Bq
Kr-85		1.1335E+03	2.8892E-03	2.0470E+22	4.1941E+13
Kr-85m		1.6878E+04	2.0510E-02	1.4531E+23	6.2450E+14
Kr-87		2.9661E+04	1.0471E-06	7.2482E+18	1.0974E+15
Kr-88		4.3473E+04	3.4670E-06	2.3726E+19	1.6085E+15
Rb-86		2.9837E-02	3.6669E-10	2.5678E+15	1.1040E+09
I-131		6.9200E+02	5.5817E-06	2.5660E+19	2.5604E+13
I-132		9.5043E+02	9.2077E-08	4.2007E+17	3.5166E+13
I-133		1.3763E+03	1.2149E-06	5.5010E+18	5.0922E+13
I-134		1.3569E+03	5.0866E-08	2.2860E+17	5.0207E+13
I-135		1.2754E+03	3.6317E-07	1.6201E+18	4.7190E+13
Xe-133		1.3282E+05	7.0957E-04	3.2129E+21	4.9143E+15
Xe-135		4.7460E+04	1.8585E-05	8.2903E+19	1.7560E+15
Cs-134		3.2182E+00	2.4873E-06	1.1178E+19	1.1907E+11
Cs-136		8.9533E-01	1.2216E-08	5.4093E+16	3.3127E+10
Cs-137		1.5811E+00	1.8178E-05	7.9905E+19	5.8502E+10

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Environment Transport Group Inventory:

	Total Release	Release Rate/s	
Time (h) = 8.0000			
Noble gases (atoms)	1.6910E+23	5.8717E+18	
Elemental I (atoms)	3.2426E+19	1.1259E+15	
Organic I (atoms)	1.0029E+18	3.4822E+13	
Aerosols (kg)	2.0678E-05	7.1798E-10	
Dose Effective (Ci) I-131 (Thyroid)			9.6501E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2234E+03
Total I (Ci)			5.6510E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 8.0000 Leakage Transport

Noble gases (atoms)	1.6780E+21
Elemental I (atoms)	3.0305E+17
Organic I (atoms)	9.3728E+15
Aerosols (kg)	2.0531E-07

Normal Environment to Control Room Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 8.0000		
Noble gases (atoms)	0.0000E+00	9.8447E+18
Elemental I (atoms)	0.0000E+00	1.8434E+15
Organic I (atoms)	0.0000E+00	5.7011E+13
Aerosols (kg)	0.0000E+00	1.2041E-09

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 8.0000		
Noble gases (atoms)	9.4735E+18	0.0000E+00
Elemental I (atoms)	1.7590E+15	0.0000E+00
Organic I (atoms)	5.4402E+13	0.0000E+00
Aerosols (kg)	1.1588E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 8.0000		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 8.0000	Ci	kg	Atoms	Decay
Kr-85	2.0885E+02	5.3233E-04	3.7715E+21	2.2279E+17
Kr-85m	3.1096E+03	3.7786E-03	2.6771E+22	3.3173E+18
Kr-87	7.5491E+01	2.6651E-09	1.8448E+16	1.4325E+18
Kr-88	1.1800E+03	9.4102E-08	6.4397E+17	3.9029E+18
Rb-86	5.4314E-03	6.6752E-11	4.6743E+14	5.8299E+12
I-131	1.2397E+02	9.9995E-07	4.5968E+18	1.3416E+17
I-132	1.6443E+01	1.5930E-09	7.2674E+15	7.3926E+16
I-133	1.9532E+02	1.7242E-07	7.8072E+17	2.3880E+17
I-134	5.0014E-01	1.8748E-11	8.4256E+13	4.7273E+16
I-135	1.0329E+02	2.9412E-08	1.3120E+17	1.7264E+17
Xe-133	2.3449E+04	1.2527E-04	5.6723E+20	2.5568E+19
Xe-135	4.8698E+03	1.9069E-06	8.5066E+18	7.1119E+18
Cs-134	5.9280E-01	4.5817E-07	2.0591E+18	6.3244E+14

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Cs-136	1.6215E-01	2.2124E-09	9.7965E+15	1.7450E+14
Cs-137	2.9133E-01	3.3494E-06	1.4723E+19	3.1077E+14

MVP Holdup Transport Group Inventory:

Time (h) = 8.0000	Atmosphere	Sump	
Noble gases (atoms)	3.1119E+22	0.0000E+00	
Elemental I (atoms)	5.3506E+18	0.0000E+00	
Organic I (atoms)	1.6548E+17	0.0000E+00	
Aerosols (kg)	3.8098E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.7889E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.0782E-06
Total I (Ci)			4.3952E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 8.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 8.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 10.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 10.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.1314E-03	1.1025E-01	6.5754E-03
Accumulated dose (rem)	1.9096E+00	2.6687E+01	2.7573E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 10.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	5.1918E-04	1.8279E-02	1.0902E-03
Accumulated dose (rem)	8.4298E-01	1.1602E+01	1.2116E+00

Control Room Doses:

Time (h) = 10.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	4.4150E-04	6.2670E-01	2.0021E-02
Accumulated dose (rem)	2.5464E-02	1.0757E+01	3.6497E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 10.0000	Ci	kg	Atoms	Decay
Kr-85	3.4398E+03	8.7674E-03	6.2116E+22	4.5977E+18
Kr-85m	5.1214E+04	6.2232E-02	4.4090E+23	6.8457E+19
Kr-87	4.1797E+02	1.4756E-08	1.0214E+17	2.3943E+19
Kr-88	1.1928E+04	9.5126E-07	6.5098E+18	6.8669E+19
Rb-86	8.9179E-02	1.0960E-09	7.6748E+15	1.2013E+14
I-131	2.0272E+03	1.6351E-05	7.5168E+19	2.7588E+18
I-132	1.4822E+02	1.4359E-08	6.5510E+16	1.2777E+18
I-133	3.0096E+03	2.6567E-06	1.2029E+19	4.7756E+18
I-134	1.6944E+00	6.3517E-11	2.8545E+14	7.8570E+17

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I-135	1.3793E+03	3.9276E-07	1.7521E+18	3.2629E+18
Xe-133	3.8201E+05	2.0408E-03	9.2408E+21	5.2481E+20
Xe-135	6.9046E+04	2.7037E-05	1.2061E+20	1.3740E+20
Cs-134	9.7626E+00	7.5455E-06	3.3910E+19	1.3051E+16
Cs-136	2.6588E+00	3.6278E-08	1.6064E+17	3.5933E+15
Cs-137	4.7982E+00	5.5164E-05	2.4248E+20	6.4133E+15

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 10.0000	Atmosphere	Sump	
Noble gases (atoms)	5.1239E+23	0.0000E+00	
Elemental I (atoms)	8.6345E+19	0.0000E+00	
Organic I (atoms)	2.6705E+18	0.0000E+00	
Aerosols (kg)	6.2747E-05	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.6495E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		1.8953E-06
Total I (Ci)			6.5659E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 10.0000 Leakage Transport

Noble gases (atoms)	2.1052E+21
Elemental I (atoms)	3.7581E+17
Organic I (atoms)	1.1623E+16
Aerosols (kg)	2.5762E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 10.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 10.0000	Ci	kg	Atoms	Bq
Kr-85	1.1364E+03	2.8965E-03	2.0522E+22	4.2047E+13
Kr-85m	1.6921E+04	2.0562E-02	1.4568E+23	6.2608E+14
Kr-87	2.9661E+04	1.0472E-06	7.2484E+18	1.0975E+15
Kr-88	4.3486E+04	3.4680E-06	2.3733E+19	1.6090E+15
Rb-86	2.9911E-02	3.6761E-10	2.5742E+15	1.1067E+09
I-131	6.9369E+02	5.5954E-06	2.5722E+19	2.5667E+13
I-132	9.5060E+02	9.2093E-08	4.2015E+17	3.5172E+13
I-133	1.3788E+03	1.2172E-06	5.5114E+18	5.1017E+13
I-134	1.3570E+03	5.0866E-08	2.2860E+17	5.0207E+13
I-135	1.2767E+03	3.6354E-07	1.6217E+18	4.7237E+13
Xe-133	1.3314E+05	7.1128E-04	3.2206E+21	4.9261E+15
Xe-135	4.7522E+04	1.8609E-05	8.3011E+19	1.7583E+15
Cs-134	3.2263E+00	2.4936E-06	1.1207E+19	1.1937E+11
Cs-136	8.9755E-01	1.2246E-08	5.4227E+16	3.3209E+10
Cs-137	1.5851E+00	1.8224E-05	8.0107E+19	5.8651E+10

Environment Transport Group Inventory:

Time (h) = 10.0000	Total Release	Release Rate/s	
Noble gases (atoms)	1.6953E+23	4.7092E+18	
Elemental I (atoms)	3.2499E+19	9.0275E+14	
Organic I (atoms)	1.0051E+18	2.7920E+13	
Aerosols (kg)	2.0730E-05	5.7584E-10	
Dose Effective (Ci)	I-131 (Thyroid)		9.6718E+02
Dose Effective (Ci)	I-131 (ICRP2 Thyroid)		1.2259E+03

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5.6568E+03

Total I (Ci)

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 10.0000 Leakage Transport

Noble gases (atoms)	2.1052E+21
Elemental I (atoms)	3.7581E+17
Organic I (atoms)	1.1623E+16
Aerosols (kg)	2.5762E-07

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 10.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.0310E+19
Elemental I (atoms)	0.0000E+00	1.9226E+15
Organic I (atoms)	0.0000E+00	5.9461E+13
Aerosols (kg)	0.0000E+00	1.2611E-09

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 10.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	1.0117E+19	0.0000E+00
Elemental I (atoms)	1.8688E+15	0.0000E+00
Organic I (atoms)	5.7798E+13	0.0000E+00
Aerosols (kg)	1.2376E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 10.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 10.0000	Ci	kg	Atoms	Decay
Kr-85	2.0885E+02	5.3233E-04	3.7715E+21	2.7843E+17
Kr-85m	3.1095E+03	3.7785E-03	2.6770E+22	4.1457E+18
Kr-87	2.5378E+01	8.9594E-10	6.2017E+15	1.4447E+18
Kr-88	7.2423E+02	5.7757E-08	3.9525E+17	4.1517E+18
Rb-86	5.4146E-03	6.6546E-11	4.6598E+14	7.2746E+12
I-131	1.2308E+02	9.9280E-07	4.5639E+18	1.6707E+17
I-132	8.9993E+00	8.7185E-10	3.9776E+15	7.7216E+16
I-133	1.8273E+02	1.6131E-07	7.3038E+17	2.8914E+17
I-134	1.0288E-01	3.8565E-12	1.7332E+13	4.7340E+16
I-135	8.3748E+01	2.3847E-08	1.0638E+17	1.9746E+17
Xe-133	2.3194E+04	1.2391E-04	5.6107E+20	3.1781E+19
Xe-135	4.1922E+03	1.6416E-06	7.3229E+18	8.3166E+18
Cs-134	5.9275E-01	4.5814E-07	2.0589E+18	7.9036E+14
Cs-136	1.6143E-01	2.2026E-09	9.7534E+15	2.1760E+14
Cs-137	2.9133E-01	3.3493E-06	1.4723E+19	3.8838E+14

MVP Holdup Transport Group Inventory:

Time (h) = 10.0000	Atmosphere	Sump	
Noble gases (atoms)	3.1110E+22	0.0000E+00	
Elemental I (atoms)	5.2425E+18	0.0000E+00	
Organic I (atoms)	1.6214E+17	0.0000E+00	
Aerosols (kg)	3.8097E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.7486E-06

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Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid) 2.0092E-06
 Total I (Ci) 3.9866E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 10.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 10.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 12.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 12.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	2.4604E-03	1.0774E-01	5.8212E-03
Accumulated dose (rem)	1.9121E+00	2.6794E+01	2.7631E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 12.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	4.0793E-04	1.7863E-02	9.6514E-04
Accumulated dose (rem)	8.4339E-01	1.1620E+01	1.2126E+00

Control Room Doses:

Time (h) = 12.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	2.5030E-04	4.4855E-01	1.4242E-02
Accumulated dose (rem)	2.5714E-02	1.1206E+01	3.7922E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 12.0000	Ci	kg	Atoms	Decay
Kr-85	3.4368E+03	8.7600E-03	6.2063E+22	5.5137E+18
Kr-85m	5.1170E+04	6.2178E-02	4.4052E+23	8.2094E+19
Kr-87	1.4039E+02	4.9564E-09	3.4308E+16	2.4011E+19
Kr-88	7.3150E+03	5.8337E-07	3.9922E+18	7.1182E+19
Rb-86	8.8830E-02	1.0917E-09	7.6447E+15	1.4384E+14
I-131	2.0110E+03	1.6221E-05	7.4568E+19	3.2967E+18
I-132	8.1054E+01	7.8525E-09	3.5825E+16	1.3073E+18
I-133	2.8132E+03	2.4833E-06	1.1244E+19	5.5508E+18
I-134	3.4826E-01	1.3055E-11	5.8670E+13	7.8593E+17
I-135	1.1174E+03	3.1819E-07	1.4194E+18	3.5943E+18
Xe-133	3.7754E+05	2.0170E-03	9.1327E+21	6.2598E+20
Xe-135	5.9380E+04	2.3252E-05	1.0372E+20	1.5447E+20
Cs-134	9.7537E+00	7.5386E-06	3.3880E+19	1.5651E+16
Cs-136	2.6449E+00	3.6088E-08	1.5980E+17	4.2997E+15
Cs-137	4.7942E+00	5.5117E-05	2.4228E+20	7.6910E+15

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 12.0000	Atmosphere	Sump
Noble gases (atoms)	5.1183E+23	0.0000E+00

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Elemental I (atoms)	8.4649E+19	0.0000E+00	
Organic I (atoms)	2.6180E+18	0.0000E+00	
Aerosols (kg)	6.2693E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.6129E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			1.8356E-06
Total I (Ci)			6.0230E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 12.0000 Leakage Transport

Noble gases (atoms)	2.5320E+21
Elemental I (atoms)	4.4708E+17
Organic I (atoms)	1.3827E+16
Aerosols (kg)	3.0989E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 12.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 12.0000	Ci	kg	Atoms	Bq
Kr-85	1.1393E+03	2.9039E-03	2.0573E+22	4.2153E+13
Kr-85m	1.6964E+04	2.0613E-02	1.4604E+23	6.2766E+14
Kr-87	2.9661E+04	1.0472E-06	7.2484E+18	1.0975E+15
Kr-88	4.3494E+04	3.4686E-06	2.3737E+19	1.6093E+15
Rb-86	2.9985E-02	3.6852E-10	2.5805E+15	1.1095E+09
I-131	6.9537E+02	5.6090E-06	2.5785E+19	2.5729E+13
I-132	9.5069E+02	9.2102E-08	4.2019E+17	3.5175E+13
I-133	1.3813E+03	1.2193E-06	5.5210E+18	5.1107E+13
I-134	1.3570E+03	5.0867E-08	2.2860E+17	5.0207E+13
I-135	1.2777E+03	3.6383E-07	1.6230E+18	4.7275E+13
Xe-133	1.3345E+05	7.1297E-04	3.2283E+21	4.9378E+15
Xe-135	4.7575E+04	1.8630E-05	8.3104E+19	1.7603E+15
Cs-134	3.2344E+00	2.4999E-06	1.1235E+19	1.1967E+11
Cs-136	8.9976E-01	1.2277E-08	5.4361E+16	3.3291E+10
Cs-137	1.5891E+00	1.8270E-05	8.0309E+19	5.8798E+10

Environment Transport Group Inventory:

Time (h) = 12.0000	Total Release	Release Rate/s	
Noble gases (atoms)	1.6996E+23	3.9342E+18	
Elemental I (atoms)	3.2570E+19	7.5394E+14	
Organic I (atoms)	1.0073E+18	2.3318E+13	
Aerosols (kg)	2.0782E-05	4.8107E-10	
Dose Effective (Ci) I-131 (Thyroid)			9.6929E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2283E+03
Total I (Ci)			5.6620E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 12.0000 Leakage Transport

Noble gases (atoms)	2.5320E+21
Elemental I (atoms)	4.4708E+17
Organic I (atoms)	1.3827E+16
Aerosols (kg)	3.0989E-07

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Normal Environment to Control Room Transport Group Inventory:

Time (h) = 12.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.0775E+19
Elemental I (atoms)	0.0000E+00	2.0002E+15
Organic I (atoms)	0.0000E+00	6.1861E+13
Aerosols (kg)	0.0000E+00	1.3180E-09

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 12.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	1.0589E+19	0.0000E+00
Elemental I (atoms)	1.9476E+15	0.0000E+00
Organic I (atoms)	6.0236E+13	0.0000E+00
Aerosols (kg)	1.2955E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 12.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 12.0000	Ci	kg	Atoms	Decay
Kr-85	2.0885E+02	5.3232E-04	3.7714E+21	3.3407E+17
Kr-85m	3.1094E+03	3.7784E-03	2.6769E+22	4.9740E+18
Kr-87	8.5313E+00	3.0119E-10	2.0848E+15	1.4488E+18
Kr-88	4.4451E+02	3.5450E-08	2.4259E+17	4.3043E+18
Rb-86	5.3979E-03	6.6340E-11	4.6454E+14	8.7148E+12
I-131	1.2220E+02	9.8569E-07	4.5313E+18	1.9974E+17
I-132	4.9254E+00	4.7717E-10	2.1770E+15	7.9017E+16
I-133	1.7095E+02	1.5091E-07	6.8329E+17	3.3623E+17
I-134	2.1163E-02	7.9330E-13	3.5652E+12	4.7354E+16
I-135	6.7903E+01	1.9335E-08	8.6252E+16	2.1759E+17
Xe-133	2.2942E+04	1.2257E-04	5.5497E+20	3.7926E+19
Xe-135	3.6083E+03	1.4130E-06	6.3030E+18	9.3537E+18
Cs-134	5.9270E-01	4.5810E-07	2.0588E+18	9.4826E+14
Cs-136	1.6072E-01	2.1930E-09	9.7105E+15	2.6051E+14
Cs-137	2.9133E-01	3.3493E-06	1.4723E+19	4.6600E+14

MVP Holdup Transport Group Inventory:

Time (h) = 12.0000	Atmosphere	Sump	
Noble gases (atoms)	3.1102E+22	0.0000E+00	
Elemental I (atoms)	5.1439E+18	0.0000E+00	
Organic I (atoms)	1.5909E+17	0.0000E+00	
Aerosols (kg)	3.8097E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.7114E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		1.9476E-06
Total I (Ci)			3.6600E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 12.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18

Aerosols (kg) CRDA GAP MVP TRIP 10 MIN.o0
 0.0000E+00 2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 12.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (h) = 14.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 14.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	2.0635E-03	1.0568E-01	5.3565E-03
Accumulated dose (rem)	1.9142E+00	2.6900E+01	2.7685E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 14.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.4213E-04	1.7522E-02	8.8811E-04
Accumulated dose (rem)	8.4373E-01	1.1638E+01	1.2135E+00

Control Room Doses:

Time (h) = 14.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	2.0670E-04	4.3352E-01	1.3715E-02
Accumulated dose (rem)	2.5921E-02	1.1639E+01	3.9293E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 14.0000	Ci	kg	Atoms	Decay
Kr-85	3.4339E+03	8.7526E-03	6.2011E+22	6.4287E+18
Kr-85m	5.1125E+04	6.2124E-02	4.4014E+23	9.5718E+19
Kr-87	4.7157E+01	1.6648E-09	1.1524E+16	2.4034E+19
Kr-88	4.4860E+03	3.5776E-07	2.4483E+18	7.2723E+19
Rb-86	8.8481E-02	1.0874E-09	7.6147E+15	1.6745E+14
I-131	1.9949E+03	1.6091E-05	7.3972E+19	3.8302E+18
I-132	4.4325E+01	4.2942E-09	1.9591E+16	1.3235E+18
I-133	2.6296E+03	2.3213E-06	1.0511E+19	6.2754E+18
I-134	7.1578E-02	2.6832E-12	1.2058E+13	7.8598E+17
I-135	9.0527E+02	2.5777E-07	1.1499E+18	3.8627E+18
Xe-133	3.7312E+05	1.9934E-03	9.0259E+21	7.2596E+20
Xe-135	5.1062E+04	1.9995E-05	8.9194E+19	1.6915E+20
Cs-134	9.7448E+00	7.5318E-06	3.3849E+19	1.8247E+16
Cs-136	2.6311E+00	3.5899E-08	1.5896E+17	5.0024E+15
Cs-137	4.7902E+00	5.5071E-05	2.4208E+20	8.9675E+15

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 14.0000	Atmosphere	Sump
Noble gases (atoms)	5.1127E+23	0.0000E+00
Elemental I (atoms)	8.3083E+19	0.0000E+00
Organic I (atoms)	2.5696E+18	0.0000E+00
Aerosols (kg)	6.2640E-05	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.5789E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		1.7816E-06
Total I (Ci)		5.5742E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 14.0000 Leakage Transport

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Noble gases (atoms) 2.9583E+21
 Elemental I (atoms) 5.1715E+17
 Organic I (atoms) 1.5994E+16
 Aerosols (kg) 3.6211E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 14.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 14.0000	Ci	kg	Atoms	Bq
Kr-85	1.1421E+03	2.9111E-03	2.0625E+22	4.2259E+13
Kr-85m	1.7006E+04	2.0665E-02	1.4641E+23	6.2924E+14
Kr-87	2.9662E+04	1.0472E-06	7.2485E+18	1.0975E+15
Kr-88	4.3498E+04	3.4690E-06	2.3739E+19	1.6094E+15
Rb-86	3.0059E-02	3.6943E-10	2.5869E+15	1.1122E+09
I-131	6.9704E+02	5.6224E-06	2.5847E+19	2.5791E+13
I-132	9.5074E+02	9.2106E-08	4.2021E+17	3.5177E+13
I-133	1.3835E+03	1.2213E-06	5.5300E+18	5.1190E+13
I-134	1.3570E+03	5.0867E-08	2.2860E+17	5.0207E+13
I-135	1.2785E+03	3.6406E-07	1.6240E+18	4.7306E+13
Xe-133	1.3377E+05	7.1464E-04	3.2358E+21	4.9494E+15
Xe-135	4.7620E+04	1.8647E-05	8.3183E+19	1.7619E+15
Cs-134	3.2426E+00	2.5062E-06	1.1263E+19	1.1997E+11
Cs-136	9.0195E-01	1.2306E-08	5.4494E+16	3.3372E+10
Cs-137	1.5931E+00	1.8316E-05	8.0511E+19	5.8946E+10

Environment Transport Group Inventory:

Time (h) = 14.0000	Total Release	Release Rate/s
Noble gases (atoms)	1.7039E+23	3.3807E+18
Elemental I (atoms)	3.2640E+19	6.4762E+14
Organic I (atoms)	1.0095E+18	2.0029E+13
Aerosols (kg)	2.0835E-05	4.1339E-10
Dose Effective (Ci) I-131 (Thyroid)		9.7136E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		1.2306E+03
Total I (Ci)		5.6668E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 14.0000 Leakage Transport

Noble gases (atoms) 2.9583E+21
 Elemental I (atoms) 5.1715E+17
 Organic I (atoms) 1.5994E+16
 Aerosols (kg) 3.6211E-07

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 14.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.1239E+19
Elemental I (atoms)	0.0000E+00	2.0765E+15
Organic I (atoms)	0.0000E+00	6.4221E+13
Aerosols (kg)	0.0000E+00	1.3749E-09

Normal Return Control Room to Environment Transport Group Inventory:

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	Pathway	
	Filtered	Transported
Time (h) = 14.0000		
Noble gases (atoms)	1.1054E+19	0.0000E+00
Elemental I (atoms)	2.0240E+15	0.0000E+00
Organic I (atoms)	6.2598E+13	0.0000E+00
Aerosols (kg)	1.3524E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 14.0000		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 14.0000	Ci	kg	Atoms	Decay
Kr-85	2.0884E+02	5.3231E-04	3.7714E+21	3.8971E+17
Kr-85m	3.1093E+03	3.7783E-03	2.6768E+22	5.8024E+18
Kr-87	2.8680E+00	1.0125E-10	7.0085E+14	1.4502E+18
Kr-88	2.7283E+02	2.1758E-08	1.4890E+17	4.3980E+18
Rb-86	5.3812E-03	6.6135E-11	4.6311E+14	1.0151E+13
I-131	1.2133E+02	9.7863E-07	4.4988E+18	2.3218E+17
I-132	2.6958E+00	2.6116E-10	1.1915E+15	8.0002E+16
I-133	1.5993E+02	1.4118E-07	6.3923E+17	3.8029E+17
I-134	4.3532E-03	1.6318E-13	7.3337E+11	4.7357E+16
I-135	5.5056E+01	1.5677E-08	6.9934E+16	2.3391E+17
Xe-133	2.2693E+04	1.2123E-04	5.4893E+20	4.4005E+19
Xe-135	3.1055E+03	1.2160E-06	5.4246E+18	1.0246E+19
Cs-134	5.9266E-01	4.5807E-07	2.0586E+18	1.1062E+15
Cs-136	1.6002E-01	2.1833E-09	9.6678E+15	3.0324E+14
Cs-137	2.9133E-01	3.3493E-06	1.4723E+19	5.4361E+14

MVP Holdup Transport Group Inventory:

Time (h) = 14.0000	Atmosphere	Sump	
Noble gases (atoms)	3.1094E+22	0.0000E+00	
Elemental I (atoms)	5.0529E+18	0.0000E+00	
Organic I (atoms)	1.5628E+17	0.0000E+00	
Aerosols (kg)	3.8096E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.6767E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			1.8919E-06
Total I (Ci)			3.3901E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 14.0000		
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 14.0000		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

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Detailed model information at time (H) = 16.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 16.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	1.7806E-03	1.0369E-01	5.0084E-03
Accumulated dose (rem)	1.9159E+00	2.7004E+01	2.7735E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 16.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	2.9521E-04	1.7192E-02	8.3039E-04
Accumulated dose (rem)	8.4402E-01	1.1655E+01	1.2143E+00

Control Room Doses:

Time (h) = 16.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	1.7825E-04	4.2508E-01	1.3411E-02
Accumulated dose (rem)	2.6099E-02	1.2064E+01	4.0634E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 16.0000	Ci	kg	Atoms	Decay
Kr-85	3.4310E+03	8.7451E-03	6.1958E+22	7.3430E+18
Kr-85m	5.1081E+04	6.2071E-02	4.3976E+23	1.0933E+20
Kr-87	1.5839E+01	5.5919E-10	3.8707E+15	2.4041E+19
Kr-88	2.7511E+03	2.1940E-07	1.5014E+18	7.3668E+19
Rb-86	8.8134E-02	1.0832E-09	7.5848E+15	1.9097E+14
I-131	1.9790E+03	1.5963E-05	7.3382E+19	4.3594E+18
I-132	2.4239E+01	2.3483E-09	1.0713E+16	1.3324E+18
I-133	2.4580E+03	2.1698E-06	9.8248E+18	6.9527E+18
I-134	1.4711E-02	5.5147E-13	2.4784E+12	7.8599E+17
I-135	7.3338E+02	2.0883E-07	9.3156E+17	4.0801E+18
Xe-133	3.6876E+05	1.9700E-03	8.9202E+21	8.2475E+20
Xe-135	4.3904E+04	1.7192E-05	7.6692E+19	1.8176E+20
Cs-134	9.7360E+00	7.5249E-06	3.3818E+19	2.0842E+18
Cs-136	2.6173E+00	3.5712E-08	1.5813E+17	5.7013E+15
Cs-137	4.7862E+00	5.5025E-05	2.4187E+20	1.0243E+16

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 16.0000	Atmosphere	Sump
Noble gases (atoms)	5.1072E+23	0.0000E+00
Elemental I (atoms)	8.1624E+19	0.0000E+00
Organic I (atoms)	2.5245E+18	0.0000E+00
Aerosols (kg)	6.2587E-05	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.5471E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		1.7323E-06
Total I (Ci)		5.1946E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 16.0000 Leakage Transport

Noble gases (atoms)	3.3841E+21
Elemental I (atoms)	5.8606E+17
Organic I (atoms)	1.8126E+16
Aerosols (kg)	4.1429E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 16.0000	Pathway	
Noble gases (atoms)	Filtered	Transported
	0.0000E+00	1.9857E+23

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Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 16.0000	Ci	kg	Atoms	Bq
Kr-85	1.1450E+03	2.9184E-03	2.0677E+22	4.2365E+13
Kr-85m	1.7049E+04	2.0717E-02	1.4678E+23	6.3081E+14
Kr-87	2.9662E+04	1.0472E-06	7.2485E+18	1.0975E+15
Kr-88	4.3501E+04	3.4692E-06	2.3741E+19	1.6095E+15
Rb-86	3.0133E-02	3.7033E-10	2.5932E+15	1.1149E+09
I-131	6.9869E+02	5.6358E-06	2.5908E+19	2.5852E+13
I-132	9.5076E+02	9.2109E-08	4.2022E+17	3.5178E+13
I-133	1.3856E+03	1.2232E-06	5.5383E+18	5.1267E+13
I-134	1.3570E+03	5.0867E-08	2.2860E+17	5.0207E+13
I-135	1.2792E+03	3.6424E-07	1.6248E+18	4.7329E+13
Xe-133	1.3407E+05	7.1628E-04	3.2433E+21	4.9608E+15
Xe-135	4.7658E+04	1.8662E-05	8.3249E+19	1.7634E+15
Cs-134	3.2507E+00	2.5125E-06	1.1291E+19	1.2028E+11
Cs-136	9.0414E-01	1.2336E-08	5.4626E+16	3.3453E+10
Cs-137	1.5971E+00	1.8362E-05	8.0713E+19	5.9094E+10

Environment Transport Group Inventory:

Time (h) = 16.0000	Total Release	Release Rate/s	
Noble gases (atoms)	1.7081E+23	2.9655E+18	
Elemental I (atoms)	3.2708E+19	5.6785E+14	
Organic I (atoms)	1.0116E+18	1.7562E+13	
Aerosols (kg)	2.0887E-05	3.6262E-10	
Dose Effective (Ci) I-131 (Thyroid)			9.7338E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2329E+03
Total I (Ci)			5.6712E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 16.0000 Leakage Transport

Noble gases (atoms)	3.3841E+21
Elemental I (atoms)	5.8606E+17
Organic I (atoms)	1.8126E+16
Aerosols (kg)	4.1429E-07

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 16.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.1703E+19
Elemental I (atoms)	0.0000E+00	2.1515E+15
Organic I (atoms)	0.0000E+00	6.6542E+13
Aerosols (kg)	0.0000E+00	1.4317E-09

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 16.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	1.1518E+19	0.0000E+00
Elemental I (atoms)	2.0991E+15	0.0000E+00
Organic I (atoms)	6.4920E+13	0.0000E+00
Aerosols (kg)	1.4092E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

CRDA GAP MVP TRIP 10 MIN.o0

	Pathway	
	Filtered	Transported
Time (h) = 16.0000		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 16.0000	Ci	kg	Atoms	Decay
Kr-85	2.0884E+02	5.3230E-04	3.7713E+21	4.4534E+17
Kr-85m	3.1092E+03	3.7781E-03	2.6768E+22	6.6307E+18
Kr-87	9.6412E-01	3.4037E-11	2.3560E+14	1.4507E+18
Kr-88	1.6746E+02	1.3355E-08	9.1389E+16	4.4555E+18
Rb-86	5.3646E-03	6.5931E-11	4.6168E+14	1.1582E+13
I-131	1.2046E+02	9.7163E-07	4.4666E+18	2.6438E+17
I-132	1.4754E+00	1.4294E-10	6.5211E+14	8.0542E+16
I-133	1.4961E+02	1.3207E-07	5.9802E+17	4.2151E+17
I-134	8.9546E-04	3.3567E-14	1.5086E+11	4.7357E+16
I-135	4.4640E+01	1.2711E-08	5.6703E+16	2.4714E+17
Xe-133	2.2446E+04	1.1991E-04	5.4296E+20	5.0017E+19
Xe-135	2.6724E+03	1.0465E-06	4.6681E+18	1.1014E+19
Cs-134	5.9261E-01	4.5803E-07	2.0585E+18	1.2640E+15
Cs-136	1.5931E-01	2.1737E-09	9.6252E+15	3.4577E+14
Cs-137	2.9133E-01	3.3493E-06	1.4723E+19	6.2122E+14

MVP Holdup Transport Group Inventory:

Time (h) = 16.0000	Atmosphere	Sump	
Noble gases (atoms)	3.1087E+22	0.0000E+00	
Elemental I (atoms)	4.9683E+18	0.0000E+00	
Organic I (atoms)	1.5366E+17	0.0000E+00	
Aerosols (kg)	3.8096E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.6442E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			1.8410E-06
Total I (Ci)			3.1619E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 16.0000		
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 16.0000		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 18.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 18.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	1.5577E-03	1.0162E-01	4.7182E-03
Accumulated dose (rem)	1.9175E+00	2.7105E+01	2.7782E+00

CRDA @ LPZ - Condenser Release Doses:

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Time (h) = 18.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	2.5826E-04	1.6849E-02	7.8227E-04
Accumulated dose (rem)	8.4428E-01	1.1672E+01	1.2151E+00

Control Room Doses:

Time (h) = 18.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.5593E-04	4.1659E-01	1.3112E-02
Accumulated dose (rem)	2.6255E-02	1.2481E+01	4.1945E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 18.0000	Ci	kg	Atoms	Decay
Kr-85	3.4281E+03	8.7377E-03	6.1906E+22	8.2564E+18
Kr-85m	5.1037E+04	6.2017E-02	4.3938E+23	1.2293E+20
Kr-87	5.3203E+00	1.8783E-10	1.3001E+15	2.4044E+19
Kr-88	1.6871E+03	1.3455E-07	9.2077E+17	7.4248E+19
Rb-86	8.7789E-02	1.0789E-09	7.5551E+15	2.1440E+14
I-131	1.9632E+03	1.5835E-05	7.2796E+19	4.8844E+18
I-132	1.3255E+01	1.2842E-09	5.8587E+15	1.3372E+18
I-133	2.2976E+03	2.0282E-06	9.1837E+18	7.5858E+18
I-134	3.0237E-03	1.1334E-13	5.0939E+11	7.8599E+17
I-135	5.9414E+02	1.6918E-07	7.5469E+17	4.2562E+18
Xe-133	3.6444E+05	1.9470E-03	8.8158E+21	9.2239E+20
Xe-135	3.7745E+04	1.4780E-05	6.5933E+19	1.9261E+20
Cs-134	9.7271E+00	7.5181E-06	3.3787E+19	2.3434E+16
Cs-136	2.6036E+00	3.5525E-08	1.5731E+17	6.3966E+15
Cs-137	4.7822E+00	5.4979E-05	2.4167E+20	1.1517E+16

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 18.0000	Atmosphere	Sump	
Noble gases (atoms)	5.1017E+23	0.0000E+00	
Elemental I (atoms)	8.0258E+19	0.0000E+00	
Organic I (atoms)	2.4822E+18	0.0000E+00	
Aerosols (kg)	6.2534E-05	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.5172E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		1.6869E-06
Total I (Ci)			4.8682E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 18.0000 Leakage Transport

Noble gases (atoms)	3.8095E+21
Elemental I (atoms)	6.5377E+17
Organic I (atoms)	2.0220E+16
Aerosols (kg)	4.6642E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 18.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 18.0000	Ci	kg	Atoms	Bq
Kr-85	1.1479E+03	2.9257E-03	2.0728E+22	4.2471E+13
Kr-85m	1.7092E+04	2.0769E-02	1.4714E+23	6.3239E+14
Kr-87	2.9662E+04	1.0472E-06	7.2485E+18	1.0975E+15

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Kr-88	4.3503E+04	3.4693E-06	2.3742E+19	1.6096E+15
Rb-86	3.0206E-02	3.7123E-10	2.5995E+15	1.1176E+09
I-131	7.0033E+02	5.6490E-06	2.5969E+19	2.5912E+13
I-132	9.5077E+02	9.2110E-08	4.2023E+17	3.5179E+13
I-133	1.3875E+03	1.2249E-06	5.5461E+18	5.1339E+13
I-134	1.3570E+03	5.0867E-08	2.2860E+17	5.0207E+13
I-135	1.2797E+03	3.6439E-07	1.6255E+18	4.7349E+13
Xe-133	1.3438E+05	7.1791E-04	3.2506E+21	4.9720E+15
Xe-135	4.7691E+04	1.8675E-05	8.3306E+19	1.7646E+15
Cs-134	3.2588E+00	2.5187E-06	1.1319E+19	1.2058E+11
Cs-136	9.0631E-01	1.2366E-08	5.4757E+16	3.3534E+10
Cs-137	1.6011E+00	1.8407E-05	8.0914E+19	5.9241E+10

Environment Transport Group Inventory:

	Total Release	Release Rate/s
Time (h) = 18.0000		
Noble gases (atoms)	1.7124E+23	2.6425E+18
Elemental I (atoms)	3.2776E+19	5.0580E+14
Organic I (atoms)	1.0137E+18	1.5643E+13
Aerosols (kg)	2.0939E-05	3.2313E-10
Dose Effective (Ci) I-131 (Thyroid)		9.7535E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		1.2351E+03
Total I (Ci)		5.6753E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 18.0000 Leakage Transport

Noble gases (atoms)	3.8095E+21
Elemental I (atoms)	6.5377E+17
Organic I (atoms)	2.0220E+16
Aerosols (kg)	4.6642E-07

Normal Environment to Control Room Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 18.0000		
Noble gases (atoms)	0.0000E+00	1.2166E+19
Elemental I (atoms)	0.0000E+00	2.2253E+15
Organic I (atoms)	0.0000E+00	6.8823E+13
Aerosols (kg)	0.0000E+00	1.4885E-09

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 18.0000		
Noble gases (atoms)	1.1981E+19	0.0000E+00
Elemental I (atoms)	2.1728E+15	0.0000E+00
Organic I (atoms)	6.7201E+13	0.0000E+00
Aerosols (kg)	1.4660E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 18.0000		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 18.0000	Ci	kg	Atoms	Decay

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Kr-85	2.0884E+02	5.3230E-04	3.7712E+21	5.0098E+17
Kr-85m	3.1091E+03	3.7780E-03	2.6767E+22	7.4590E+18
Kr-87	3.2411E-01	1.1442E-11	7.9203E+13	1.4508E+18
Kr-88	1.0278E+02	8.1966E-09	5.6092E+16	4.4908E+18
Rb-86	5.3480E-03	6.5727E-11	4.6025E+14	1.3009E+13
I-131	1.1959E+02	9.6467E-07	4.4346E+18	2.9636E+17
I-132	8.0751E-01	7.8231E-11	3.5691E+14	8.0837E+16
I-133	1.3997E+02	1.2356E-07	5.5946E+17	4.6006E+17
I-134	1.8420E-04	6.9048E-15	3.1031E+10	4.7358E+16
I-135	3.6194E+01	1.0306E-08	4.5975E+16	2.5787E+17
Xe-133	2.2201E+04	1.1861E-04	5.3705E+20	5.5964E+19
Xe-135	2.2994E+03	9.0041E-07	4.0166E+18	1.1674E+19
Cs-134	5.9257E-01	4.5800E-07	2.0583E+18	1.4219E+15
Cs-136	1.5861E-01	2.1641E-09	9.5829E+15	3.8812E+14
Cs-137	2.9133E-01	3.3493E-06	1.4722E+19	6.9882E+14

MVP Holdup Transport Group Inventory:

Time (h) = 18.0000	Atmosphere	Sump
Noble gases (atoms)	3.1079E+22	0.0000E+00
Elemental I (atoms)	4.8892E+18	0.0000E+00
Organic I (atoms)	1.5121E+17	0.0000E+00
Aerosols (kg)	3.8095E-06	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.6138E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		1.7943E-06
Total I (Ci)		2.9656E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 18.0000	Pathway	Transported
Noble gases (atoms)	Filtered	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 18.0000	Pathway	Transported
Noble gases (atoms)	Filtered	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 20.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 20.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.3987E-03	9.9675E-02	4.4961E-03
Accumulated dose (rem)	1.9189E+00	2.7205E+01	2.7827E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 20.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	2.3190E-04	1.6526E-02	7.4545E-04
Accumulated dose (rem)	8.4451E-01	1.1688E+01	1.2158E+00

Control Room Doses:

Time (h) = 20.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.4001E-04	4.0861E-01	1.2838E-02
Accumulated dose (rem)	2.6395E-02	1.2890E+01	4.3229E-01

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DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 20.0000	Ci	kg	Atoms	Decay
Kr-85	3.4252E+03	8.7303E-03	6.1853E+22	9.1691E+18
Kr-85m	5.0993E+04	6.1963E-02	4.3900E+23	1.3652E+20
Kr-87	1.7870E+00	6.3089E-11	4.3670E+14	2.4045E+19
Kr-88	1.0347E+03	8.2514E-08	5.6467E+17	7.4603E+19
Rb-86	8.7445E-02	1.0747E-09	7.5255E+15	2.3773E+14
I-131	1.9475E+03	1.5709E-05	7.2214E+19	5.4052E+18
I-132	7.2488E+00	7.0226E-10	3.2039E+15	1.3399E+18
I-133	2.1477E+03	1.8959E-06	8.5844E+18	8.1775E+18
I-134	6.2146E-04	2.3296E-14	1.0469E+11	7.8599E+17
I-135	4.8133E+02	1.3706E-07	6.1139E+17	4.3989E+18
Xe-133	3.6017E+05	1.9242E-03	8.7126E+21	1.0189E+21
Xe-135	3.2446E+04	1.2705E-05	5.6676E+19	2.0193E+20
Cs-134	9.7183E+00	7.5113E-06	3.3757E+19	2.6023E+16
Cs-136	2.5900E+00	3.5339E-08	1.5648E+17	7.0883E+15
Cs-137	4.7782E+00	5.4933E-05	2.4147E+20	1.2790E+16

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 20.0000	Atmosphere	Sump
Noble gases (atoms)	5.0963E+23	0.0000E+00
Elemental I (atoms)	7.8971E+19	0.0000E+00
Organic I (atoms)	2.4424E+18	0.0000E+00
Aerosols (kg)	6.2480E-05	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.4890E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		1.6449E-06
Total I (Ci)		4.5837E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 20.0000 Leakage Transport

Noble gases (atoms)	4.2345E+21
Elemental I (atoms)	7.2037E+17
Organic I (atoms)	2.2279E+16
Aerosols (kg)	5.1851E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 20.0000	Pathway	Transported
Noble gases (atoms)	Filtered	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 20.0000	Ci	kg	Atoms	Bq
Kr-85	1.1507E+03	2.9330E-03	2.0780E+22	4.2577E+13
Kr-85m	1.7134E+04	2.0820E-02	1.4751E+23	6.3396E+14
Kr-87	2.9662E+04	1.0472E-06	7.2485E+18	1.0975E+15
Kr-88	4.3504E+04	3.4694E-06	2.3742E+19	1.6096E+15
Rb-86	3.0279E-02	3.7213E-10	2.6058E+15	1.1203E+09
I-131	7.0196E+02	5.6621E-06	2.6029E+19	2.5973E+13
I-132	9.5078E+02	9.2111E-08	4.2023E+17	3.5179E+13
I-133	1.3894E+03	1.2265E-06	5.5534E+18	5.1407E+13
I-134	1.3570E+03	5.0867E-08	2.2860E+17	5.0207E+13
I-135	1.2801E+03	3.6451E-07	1.6260E+18	4.7364E+13
Xe-133	1.3468E+05	7.1952E-04	3.2579E+21	4.9832E+15
Xe-135	4.7719E+04	1.8686E-05	8.3355E+19	1.7656E+15
Cs-134	3.2669E+00	2.5250E-06	1.1348E+19	1.2088E+11

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Cs-136	9.0847E-01	1.2395E-08	5.4888E+16	3.3614E+10
Cs-137	1.6051E+00	1.8453E-05	8.1115E+19	5.9389E+10

Environment Transport Group Inventory:

	Total	Release	
Time (h) = 20.0000	Release	Rate/s	
Noble gases (atoms)	1.7166E+23	2.3842E+18	
Elemental I (atoms)	3.2842E+19	4.5613E+14	
Organic I (atoms)	1.0157E+18	1.4107E+13	
Aerosols (kg)	2.0991E-05	2.9154E-10	
Dose Effective (Ci) I-131 (Thyroid)			9.7730E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2373E+03
Total I (Ci)			5.6792E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 20.0000 Leakage Transport

Noble gases (atoms)	4.2345E+21
Elemental I (atoms)	7.2037E+17
Organic I (atoms)	2.2279E+16
Aerosols (kg)	5.1851E-07

Normal Environment to Control Room Transport Group Inventory:

	Pathway	
Time (h) = 20.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.2629E+19
Elemental I (atoms)	0.0000E+00	2.2978E+15
Organic I (atoms)	0.0000E+00	7.1066E+13
Aerosols (kg)	0.0000E+00	1.5452E-09

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway	
Time (h) = 20.0000	Filtered	Transported
Noble gases (atoms)	1.2444E+19	0.0000E+00
Elemental I (atoms)	2.2454E+15	0.0000E+00
Organic I (atoms)	6.9444E+13	0.0000E+00
Aerosols (kg)	1.5227E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 20.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 20.0000	Ci	kg	Atoms	Decay
Kr-85	2.0883E+02	5.3229E-04	3.7712E+21	5.5661E+17
Kr-85m	3.1090E+03	3.7779E-03	2.6766E+22	8.2872E+18
Kr-87	1.0896E-01	3.8465E-12	2.6626E+13	1.4509E+18
Kr-88	6.3083E+01	5.0309E-09	3.4428E+16	4.5125E+18
Rb-86	5.3315E-03	6.5524E-11	4.5883E+14	1.4431E+13
I-131	1.1874E+02	9.5777E-07	4.4029E+18	3.2810E+17
I-132	4.4196E-01	4.2817E-11	1.9534E+14	8.0998E+16
I-133	1.3094E+02	1.1559E-07	5.2339E+17	4.9614E+17
I-134	3.7890E-05	1.4203E-15	6.3832E+09	4.7358E+16
I-135	2.9347E+01	8.3564E-09	3.7277E+16	2.6657E+17

	CRDA	GAP	MVP	TRIP	10 MIN.00	
Xe-133	2.1960E+04	1.1732E-04	5.3120E+20	6.1846E+19		
Xe-135	1.9782E+03	7.7464E-07	3.4556E+18	1.2243E+19		
Cs-134	5.9252E-01	4.5796E-07	2.0581E+18	1.5797E+15		
Cs-136	1.5791E-01	2.1546E-09	9.5407E+15	4.3028E+14		
Cs-137	2.9132E-01	3.3493E-06	1.4722E+19	7.7643E+14		

MVP Holdup Transport Group Inventory:

Time (h) = 20.0000	Atmosphere	Sump	
Noble gases (atoms)	3.1072E+22	0.0000E+00	
Elemental I (atoms)	4.8148E+18	0.0000E+00	
Organic I (atoms)	1.4891E+17	0.0000E+00	
Aerosols (kg)	3.8094E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.5851E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			1.7511E-06
Total I (Ci)			2.7947E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 20.0000	Pathway	Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18
Aerosols (kg)		0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 20.0000	Pathway	Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9217E+23
Elemental I (atoms)		0.0000E+00	3.6947E+19
Organic I (atoms)		0.0000E+00	1.1427E+18
Aerosols (kg)		0.0000E+00	2.3498E-05

Detailed model information at time (H) = 22.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 22.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	1.2815E-03	9.7839E-02	4.3197E-03
Accumulated dose (rem)	1.9202E+00	2.7303E+01	2.7870E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 22.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	2.1247E-04	1.6222E-02	7.1620E-04
Accumulated dose (rem)	8.4473E-01	1.1705E+01	1.2165E+00

Control Room Doses:

Time (h) = 22.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	1.2828E-04	4.0109E-01	1.2583E-02
Accumulated dose (rem)	2.6523E-02	1.3291E+01	4.4488E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 22.0000	Ci	kg	Atoms	Decay
Kr-85	3.4223E+03	8.7229E-03	6.1801E+22	1.0081E+19
Kr-85m	5.0949E+04	6.1910E-02	4.3862E+23	1.5009E+20
Kr-87	6.0024E-01	2.1191E-11	1.4668E+14	2.4045E+19
Kr-88	6.3452E+02	5.0602E-08	3.4629E+17	7.4821E+19
Rb-86	8.7102E-02	1.0705E-09	7.4960E+15	2.6098E+14
I-131	1.9319E+03	1.5583E-05	7.1638E+19	5.9218E+18

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I-132	3.9641E+00	3.8404E-10	1.7521E+15	1.3413E+18
I-133	2.0075E+03	1.7722E-06	8.0242E+18	8.7307E+18
I-134	1.2773E-04	4.7880E-15	2.1518E+10	7.8599E+17
I-135	3.8994E+02	1.1103E-07	4.9531E+17	4.5145E+18
Xe-133	3.5595E+05	1.9016E-03	8.6105E+21	1.1143E+21
Xe-135	2.7887E+04	1.0920E-05	4.8714E+19	2.0995E+20
Cs-134	9.7094E+00	7.5044E-06	3.3726E+19	2.8611E+16
Cs-136	2.5765E+00	3.5154E-08	1.5566E+17	7.7763E+15
Cs-137	4.7742E+00	5.4887E-05	2.4127E+20	1.4062E+16

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 22.0000	Atmosphere	Sump	
Noble gases (atoms)	5.0908E+23	0.0000E+00	
Elemental I (atoms)	7.7754E+19	0.0000E+00	
Organic I (atoms)	2.4048E+18	0.0000E+00	
Aerosols (kg)	6.2427E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.4623E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			1.6060E-06
Total I (Ci)			4.3334E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 22.0000 Leakage Transport

Noble gases (atoms)	4.6589E+21
Elemental I (atoms)	7.8591E+17
Organic I (atoms)	2.4306E+16
Aerosols (kg)	5.7056E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 22.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 22.0000	Ci	kg	Atoms	Bq
Kr-85	1.1536E+03	2.9403E-03	2.0831E+22	4.2682E+13
Kr-85m	1.7177E+04	2.0872E-02	1.4787E+23	6.3553E+14
Kr-87	2.9662E+04	1.0472E-06	7.2485E+18	1.0975E+15
Kr-88	4.3504E+04	3.4694E-06	2.3743E+19	1.6097E+15
Rb-86	3.0352E-02	3.7302E-10	2.6121E+15	1.1230E+09
I-131	7.0357E+02	5.6751E-06	2.6089E+19	2.6032E+13
I-132	9.5078E+02	9.2111E-08	4.2023E+17	3.5179E+13
I-133	1.3911E+03	1.2280E-06	5.5602E+18	5.1470E+13
I-134	1.3570E+03	5.0867E-08	2.2860E+17	5.0207E+13
I-135	1.2805E+03	3.6461E-07	1.6265E+18	4.7377E+13
Xe-133	1.3498E+05	7.2111E-04	3.2651E+21	4.9942E+15
Xe-135	4.7743E+04	1.8695E-05	8.3398E+19	1.7665E+15
Cs-134	3.2750E+00	2.5312E-06	1.1376E+19	1.2117E+11
Cs-136	9.1062E-01	1.2425E-08	5.5017E+16	3.3693E+10
Cs-137	1.6091E+00	1.8499E-05	8.1317E+19	5.9536E+10

Environment Transport Group Inventory:

Time (h) = 22.0000	Total Release	Release Rate/s
Noble gases (atoms)	1.7209E+23	2.1728E+18
Elemental I (atoms)	3.2907E+19	4.1549E+14
Organic I (atoms)	1.0177E+18	1.2850E+13

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Aerosols (kg)	2.1043E-05	2.6570E-10	
Dose Effective (Ci) I-131 (Thyroid)			9.7920E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2394E+03
Total I (Ci)			5.6828E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 22.0000 Leakage Transport

Noble gases (atoms)	4.6589E+21
Elemental I (atoms)	7.8591E+17
Organic I (atoms)	2.4306E+16
Aerosols (kg)	5.7056E-07

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 22.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.3091E+19
Elemental I (atoms)	0.0000E+00	2.3692E+15
Organic I (atoms)	0.0000E+00	7.3273E+13
Aerosols (kg)	0.0000E+00	1.6019E-09

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 22.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	1.2907E+19	0.0000E+00
Elemental I (atoms)	2.3168E+15	0.0000E+00
Organic I (atoms)	7.1652E+13	0.0000E+00
Aerosols (kg)	1.5794E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 22.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 22.0000	Ci	kg	Atoms	Decay
Kr-85.	2.0883E+02	5.3228E-04	3.7711E+21	6.1224E+17
Kr-85m	3.1089E+03	3.7778E-03	2.6765E+22	9.1155E+18
Kr-87	3.6627E-02	1.2931E-12	8.9507E+12	1.4509E+18
Kr-88	3.8719E+01	3.0878E-09	2.1131E+16	4.5258E+18
Rb-86	5.3150E-03	6.5321E-11	4.5741E+14	1.5849E+13
I-131	1.1789E+02	9.5091E-07	4.3714E+18	3.5962E+17
I-132	2.4189E-01	2.3434E-11	1.0691E+14	8.1087E+16
I-133	1.2250E+02	1.0814E-07	4.8964E+17	5.2988E+17
I-134	7.7941E-06	2.9217E-16	1.3130E+09	4.7358E+16
I-135	2.3794E+01	6.7754E-09	3.0224E+16	2.7362E+17
Xe-133	2.1720E+04	1.1604E-04	5.2542E+20	6.7664E+19
Xe-135	1.7017E+03	6.6636E-07	2.9725E+18	1.2732E+19
Cs-134	5.9248E-01	4.5793E-07	2.0580E+18	1.7376E+15
Cs-136	1.5722E-01	2.1451E-09	9.4988E+15	4.7226E+14
Cs-137	2.9132E-01	3.3492E-06	1.4722E+19	8.5404E+14

MVP Holdup Transport Group Inventory:

Time (h) = 22.0000	Atmosphere	Sump
Noble gases (atoms)	3.1065E+22	0.0000E+00
Elemental I (atoms)	4.7446E+18	0.0000E+00

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Organic I (atoms)	1.4674E+17	0.0000E+00	
Aerosols (kg)	3.8094E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.5580E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		1.7110E-06
Total I (Ci)			2.6443E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 22.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 22.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 24.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 24.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.1924E-03	9.6102E-02	4.1747E-03
Accumulated dose (rem)	1.9214E+00	2.7399E+01	2.7912E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 24.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.9770E-04	1.5934E-02	6.9217E-04
Accumulated dose (rem)	8.4492E-01	1.1721E+01	1.2172E+00

Control Room Doses:

Time (h) = 24.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.1936E-04	3.9397E-01	1.2345E-02
Accumulated dose (rem)	2.6643E-02	1.3685E+01	4.5722E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 24.0000	Ci	kg	Atoms	Decay
Kr-85	3.4194E+03	8.7155E-03	6.1748E+22	1.0992E+19
Kr-85m	5.0905E+04	6.1856E-02	4.3824E+23	1.6366E+20
Kr-87	2.0162E-01	7.1178E-12	4.9269E+13	2.4045E+19
Kr-88	3.8912E+02	3.1032E-08	2.1237E+17	7.4955E+19
Rb-86	8.6760E-02	1.0663E-09	7.4666E+15	2.8413E+14
I-131	1.9165E+03	1.5459E-05	7.1065E+19	6.4343E+18
I-132	2.1678E+00	2.1001E-10	9.5812E+14	1.3421E+18
I-133	1.8765E+03	1.6565E-06	7.5006E+18	9.2477E+18
I-134	2.6252E-05	9.8409E-16	4.4226E+09	7.8599E+17
I-135	3.1590E+02	8.9953E-08	4.0127E+17	4.6082E+18
Xe-133	3.5178E+05	1.8794E-03	8.5096E+21	1.2085E+21
Xe-135	2.3967E+04	9.3850E-06	4.1865E+19	2.1684E+20
Cs-134	9.7006E+00	7.4976E-06	3.3695E+19	3.1195E+16
Cs-136	2.5630E+00	3.4970E-08	1.5485E+17	8.4608E+15
Cs-137	4.7702E+00	5.4841E-05	2.4106E+20	1.5333E+16

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DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 24.0000	Atmosphere	Sump	
Noble gases (atoms)	5.0854E+23	0.0000E+00	
Elemental I (atoms)	7.6599E+19	0.0000E+00	
Organic I (atoms)	2.3690E+18	0.0000E+00	
Aerosols (kg)	6.2374E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.4370E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			1.5696E-06
Total I (Ci)			4.1111E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 24.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 24.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 24.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9662E+04	1.0472E-06	7.2485E+18	1.0975E+15
Kr-88	4.3505E+04	3.4695E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5079E+02	9.2111E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3570E+03	5.0867E-08	2.2860E+17	5.0207E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

	Total	Release	
Time (h) = 24.0000	Release	Rate/s	
Noble gases (atoms)	1.7251E+23	1.9966E+18	
Elemental I (atoms)	3.2971E+19	3.8161E+14	
Organic I (atoms)	1.0197E+18	1.1802E+13	
Aerosols (kg)	2.1095E-05	2.4416E-10	
Dose Effective (Ci) I-131 (Thyroid)			9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2414E+03
Total I (Ci)			5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 24.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17

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Organic I (atoms) 2.6302E+16
 Aerosols (kg) 6.2256E-07

Normal Environment to Control Room Transport Group Inventory:

	Pathway	
Time (h) = 24.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.3553E+19
Elemental I (atoms)	0.0000E+00	2.4394E+15
Organic I (atoms)	0.0000E+00	7.5447E+13
Aerosols (kg)	0.0000E+00	1.6585E-09

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway	
Time (h) = 24.0000	Filtered	Transported
Noble gases (atoms)	1.3369E+19	0.0000E+00
Elemental I (atoms)	2.3871E+15	0.0000E+00
Organic I (atoms)	7.3826E+13	0.0000E+00
Aerosols (kg)	1.6361E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 24.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 24.0000	Ci	kg	Atoms	Decay
Kr-85	2.0883E+02	5.3227E-04	3.7711E+21	6.6788E+17
Kr-85m	3.1088E+03	3.7777E-03	2.6764E+22	9.9437E+18
Kr-87	1.2313E-02	4.3470E-13	3.0090E+12	1.4509E+18
Kr-88	2.3764E+01	1.8952E-09	1.2970E+16	4.5339E+18
Rb-86	5.2986E-03	6.5119E-11	4.5600E+14	1.7263E+13
I-131	1.1704E+02	9.4410E-07	4.3401E+18	3.9091E+17
I-132	1.3239E-01	1.2826E-11	5.8514E+13	8.1135E+16
I-133	1.1460E+02	1.0117E-07	4.5807E+17	5.6145E+17
I-134	1.6033E-06	6.0100E-17	2.7010E+08	4.7358E+16
I-135	1.9293E+01	5.4936E-09	2.4506E+16	2.7934E+17
Xe-133	2.1484E+04	1.1478E-04	5.1969E+20	7.3419E+19
Xe-135	1.4637E+03	5.7315E-07	2.5568E+18	1.3152E+19
Cs-134	5.9243E-01	4.5789E-07	2.0578E+18	1.8954E+15
Cs-136	1.5653E-01	2.1357E-09	9.4570E+15	5.1405E+14
Cs-137	2.9132E-01	3.3492E-06	1.4722E+19	9.3165E+14

MVP Holdup Transport Group Inventory:

Time (h) = 24.0000	Atmosphere	Sump	
Noble gases (atoms)	3.1058E+22	0.0000E+00	
Elemental I (atoms)	4.6780E+18	0.0000E+00	
Organic I (atoms)	1.4468E+17	0.0000E+00	
Aerosols (kg)	3.8093E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.5323E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		1.6737E-06
Total I (Ci)			2.5107E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 24.0000	Pathway	
	Filtered	Transported

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Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 24.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 32.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 32.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	2.4809E-23	2.8940E-21	1.1450E-22
Accumulated dose (rem)	1.9214E+00	2.7399E+01	2.7912E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 32.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.1363E-24	3.6584E-22	1.4474E-23
Accumulated dose (rem)	8.4492E-01	1.1721E+01	1.2172E+00

Control Room Doses:

Time (h) = 32.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	2.5502E-05	8.7444E-02	2.7377E-03
Accumulated dose (rem)	2.6668E-02	1.3772E+01	4.5996E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 32.0000	Ci	kg	Atoms	Decay
Kr-85	3.4192E+03	8.7150E-03	6.1745E+22	1.4636E+19
Kr-85m	5.0899E+04	6.1849E-02	4.3819E+23	2.1790E+20
Kr-87	2.5749E-03	9.0903E-14	6.2923E+11	2.4045E+19
Kr-88	5.5222E+01	4.4040E-09	3.0138E+16	7.5137E+19
Rb-86	8.5692E-02	1.0532E-09	7.3747E+15	3.7601E+14
I-131	1.8622E+03	1.5021E-05	6.9052E+19	8.4475E+18
I-132	1.9452E-01	1.8844E-11	8.5973E+13	1.3430E+18
I-133	1.4374E+03	1.2689E-06	5.7453E+18	1.1003E+19
I-134	4.7003E-08	1.7619E-18	7.9184E+06	7.8599E+17
I-135	1.3653E+02	3.8876E-08	1.7342E+17	4.8360E+18
Xe-133	3.3669E+05	1.7987E-03	8.1445E+21	1.5753E+21
Xe-135	1.3105E+04	5.1315E-06	2.2891E+19	2.3601E+20
Cs-134	9.6976E+00	7.4953E-06	3.3685E+19	4.1531E+16
Cs-136	2.5182E+00	3.4359E-08	1.5214E+17	1.1168E+16
Cs-137	4.7700E+00	5.4840E-05	2.4106E+20	2.0416E+16

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 32.0000	Atmosphere	Sump	
Noble gases (atoms)	5.0810E+23	0.0000E+00	
Elemental I (atoms)	7.2722E+19	0.0000E+00	
Organic I (atoms)	2.2491E+18	0.0000E+00	
Aerosols (kg)	6.2370E-05	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.3519E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		1.4497E-06
Total I (Ci)			3.4363E+03

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DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 32.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 32.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 32.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9662E+04	1.0472E-06	7.2485E+18	1.0975E+15
Kr-88	4.3505E+04	3.4695E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5079E+02	9.2111E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3570E+03	5.0867E-08	2.2860E+17	5.0207E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

Time (h) = 32.0000	Total	Release	
	Release	Rate/s	
Noble gases (atoms)	1.7251E+23	1.4975E+18	
Elemental I (atoms)	3.2971E+19	2.8620E+14	
Organic I (atoms)	1.0197E+18	8.8517E+12	
Aerosols (kg)	2.1095E-05	1.8312E-10	
Dose Effective (Ci) I-131 (Thyroid)			9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2414E+03
Total I (Ci)			5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 32.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 32.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.3553E+19
Elemental I (atoms)	0.0000E+00	2.4394E+15
Organic I (atoms)	0.0000E+00	7.5447E+13

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Aerosols (kg) 0.0000E+00 1.6585E-09

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 32.0000		
Noble gases (atoms)	1.3503E+19	0.0000E+00
Elemental I (atoms)	2.4073E+15	0.0000E+00
Organic I (atoms)	7.4452E+13	0.0000E+00
Aerosols (kg)	1.6526E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 32.0000		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 32.0000	Ci	kg	Atoms	Decay
Kr-85	2.0882E+02	5.3224E-04	3.7709E+21	8.9040E+17
Kr-85m	3.1085E+03	3.7772E-03	2.6761E+22	1.3256E+19
Kr-87	1.5725E-04	5.5516E-15	3.8428E+10	1.4509E+18
Kr-88	3.3725E+00	2.6896E-10	1.8406E+15	4.5451E+18
Rb-86	5.2334E-03	6.4318E-11	4.5038E+14	2.2875E+13
I-131	1.1373E+02	9.1736E-07	4.2171E+18	5.1386E+17
I-132	1.1879E-02	1.1509E-12	5.2505E+12	8.1188E+16
I-133	8.7783E+01	7.7492E-08	3.5088E+17	6.6865E+17
I-134	2.8705E-09	1.0760E-19	4.8359E+05	4.7358E+16
I-135	8.3379E+00	2.3742E-09	1.0591E+16	2.9325E+17
Xe-133	2.0562E+04	1.0985E-04	4.9740E+20	9.5817E+19
Xe-135	8.0032E+02	3.1339E-07	1.3980E+18	1.4323E+19
Cs-134	5.9225E-01	4.5775E-07	2.0572E+18	2.5266E+15
Cs-136	1.5379E-01	2.0984E-09	9.2916E+15	6.7938E+14
Cs-137	2.9131E-01	3.3491E-06	1.4722E+19	1.2421E+15

MVP Holdup Transport Group Inventory:

Time (h) = 32.0000	Atmosphere	Sump	
Noble gases (atoms)	3.1031E+22	0.0000E+00	
Elemental I (atoms)	4.4413E+18	0.0000E+00	
Organic I (atoms)	1.3736E+17	0.0000E+00	
Aerosols (kg)	3.8091E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.4415E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		1.5459E-06
Total I (Ci)			2.0986E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 32.0000		
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 32.0000		
Noble gases (atoms)	0.0000E+00	1.9217E+23

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Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 40.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 40.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	2.1592E-23	2.7311E-21	1.0610E-22
Accumulated dose (rem)	1.9214E+00	2.7399E+01	2.7912E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 40.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	2.7296E-24	3.4526E-22	1.3413E-23
Accumulated dose (rem)	8.4492E-01	1.1721E+01	1.2172E+00

Control Room Doses:

Time (h) = 40.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	5.6492E-11	2.1571E-07	6.7349E-09
Accumulated dose (rem)	2.6668E-02	1.3772E+01	4.5996E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 40.0000	Ci	kg	Atoms	Decay
Kr-85	3.4190E+03	8.7145E-03	6.1741E+22	1.8279E+19
Kr-85m	5.0892E+04	6.1841E-02	4.3814E+23	2.7213E+20
Kr-87	3.2885E-05	1.1609E-15	8.0361E+09	2.4045E+19
Kr-88	7.8369E+00	6.2499E-10	4.2770E+15	7.5163E+19
Rb-86	8.4638E-02	1.0402E-09	7.2839E+15	4.6677E+14
I-131	1.8095E+03	1.4595E-05	6.7096E+19	1.0404E+19
I-132	1.7454E-02	1.6909E-12	7.7143E+12	1.3431E+18
I-133	1.1010E+03	9.7193E-07	4.4008E+18	1.2347E+19
I-134	8.4155E-11	3.1546E-21	1.4177E+04	7.8599E+17
I-135	5.9005E+01	1.6802E-08	7.4949E+16	4.9345E+18
Xe-133	3.2223E+05	1.7215E-03	7.7948E+21	1.9263E+21
Xe-135	7.1559E+03	2.8021E-06	1.2500E+19	2.4648E+20
Cs-134	9.6947E+00	7.4930E-06	3.3675E+19	5.1863E+16
Cs-136	2.4742E+00	3.3758E-08	1.4948E+17	1.3828E+16
Cs-137	4.7699E+00	5.4838E-05	2.4105E+20	2.5499E+16

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 40.0000	Atmosphere	Sump
Noble gases (atoms)	5.0768E+23	0.0000E+00
Elemental I (atoms)	6.9425E+19	0.0000E+00
Organic I (atoms)	2.1472E+18	0.0000E+00
Aerosols (kg)	6.2366E-05	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.2806E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		1.3540E-06
Total I (Ci)		2.9695E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 40.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

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Time (h) = 40.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 40.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9662E+04	1.0472E-06	7.2485E+18	1.0975E+15
Kr-88	4.3505E+04	3.4695E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5079E+02	9.2111E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3570E+03	5.0867E-08	2.2860E+17	5.0207E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

Time (h) = 40.0000	Total Release	Release Rate/s
Noble gases (atoms)	1.7251E+23	1.1980E+18
Elemental I (atoms)	3.2971E+19	2.2896E+14
Organic I (atoms)	1.0197E+18	7.0813E+12
Aerosols (kg)	2.1095E-05	1.4649E-10
Dose Effective (Ci) I-131 (Thyroid)		9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		1.2414E+03
Total I (Ci)		5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 40.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 40.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.3553E+19
Elemental I (atoms)	0.0000E+00	2.4394E+15
Organic I (atoms)	0.0000E+00	7.5447E+13
Aerosols (kg)	0.0000E+00	1.6585E-09

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 40.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	1.3503E+19	0.0000E+00
Elemental I (atoms)	2.4073E+15	0.0000E+00
Organic I (atoms)	7.4452E+13	0.0000E+00
Aerosols (kg)	1.6526E-09	0.0000E+00

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MVP Holdup to Environment Transport Group Inventory:

Time (h) = 40.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 40.0000	Ci	kg	Atoms	Decay
Kr-85	2.0880E+02	5.3221E-04	3.7706E+21	1.1129E+18
Kr-85m	3.1081E+03	3.7767E-03	2.6758E+22	1.6568E+19
Kr-87	2.0083E-06	7.0901E-17	4.9078E+08	1.4509E+18
Kr-88	4.7861E-01	3.8169E-11	2.6120E+14	4.5467E+18
Rb-86	5.1690E-03	6.3526E-11	4.4484E+14	2.8417E+13
I-131	1.1051E+02	8.9137E-07	4.0977E+18	6.3333E+17
I-132	1.0659E-03	1.0327E-13	4.7113E+11	8.1193E+16
I-133	6.7240E+01	5.9357E-08	2.6876E+17	7.5076E+17
I-135	3.6035E+00	1.0261E-09	4.5773E+15	2.9927E+17
Xe-133	1.9679E+04	1.0513E-04	4.7604E+20	1.1725E+20
Xe-135	4.3702E+02	1.7113E-07	7.6339E+17	1.4963E+19
Cs-134	5.9207E-01	4.5761E-07	2.0566E+18	3.1576E+15
Cs-136	1.5110E-01	2.0617E-09	9.1292E+15	8.4182E+14
Cs-137	2.9131E-01	3.3491E-06	1.4722E+19	1.5525E+15

MVP Holdup Transport Group Inventory:

Time (h) = 40.0000	Atmosphere	Sump	
Noble gases (atoms)	3.1005E+22	0.0000E+00	
Elemental I (atoms)	4.2399E+18	0.0000E+00	
Organic I (atoms)	1.3113E+17	0.0000E+00	
Aerosols (kg)	3.8088E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.3655E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		1.4438E-06
Total I (Ci)			1.8135E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 40.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 40.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 48.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 48.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.9746E-23	2.5934E-21	9.9907E-23
Accumulated dose (rem)	1.9214E+00	2.7399E+01	2.7912E+00

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CRDA @ LPZ - Condenser Release Doses:

Time (h) = 48.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	2.4962E-24	3.2785E-22	1.2630E-23
Accumulated dose (rem)	8.4492E-01	1.1721E+01	1.2172E+00

Control Room Doses:

Time (h) = 48.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.3348E-16	5.3578E-13	1.6700E-14
Accumulated dose (rem)	2.6668E-02	1.3772E+01	4.5996E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 48.0000	Ci	kg	Atoms	Decay
Kr-85	3.4188E+03	8.7140E-03	6.1737E+22	2.1922E+19
Kr-85m	5.0886E+04	6.1833E-02	4.3808E+23	3.2636E+20
Kr-87	4.1998E-07	1.4827E-17	1.0263E+08	2.4045E+19
Kr-88	1.1122E+00	8.8695E-11	6.0697E+14	7.5167E+19
Rb-86	8.3596E-02	1.0274E-09	7.1943E+15	5.5640E+14
I-131	1.7582E+03	1.4182E-05	6.5195E+19	1.2304E+19
I-132	1.5661E-03	1.5173E-13	6.9221E+11	1.3431E+18
I-133	8.4335E+02	7.4448E-07	3.3709E+18	1.3377E+19
I-135	2.5501E+01	7.2613E-09	3.2392E+16	4.9770E+18
Xe-133	3.0839E+05	1.6475E-03	7.4599E+21	2.2622E+21
Xe-135	3.9035E+03	1.5285E-06	6.8186E+18	2.5220E+20
Cs-134	9.6917E+00	7.4907E-06	3.3664E+19	6.2192E+16
Cs-136	2.4309E+00	3.3168E-08	1.4687E+17	1.6441E+16
Cs-137	4.7698E+00	5.4837E-05	2.4105E+20	3.0582E+16

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 48.0000	Atmosphere	Sump	
Noble gases (atoms)	5.0729E+23	0.0000E+00	
Elemental I (atoms)	6.6541E+19	0.0000E+00	
Organic I (atoms)	2.0580E+18	0.0000E+00	
Aerosols (kg)	6.2362E-05	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.2195E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		1.2750E-06
Total I (Ci)			2.6271E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 48.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 48.0000	Pathway	Transported
Noble gases (atoms)	Filtered	1.9857E+23
Elemental I (atoms)		3.8180E+19
Organic I (atoms)		1.1808E+18
Aerosols (kg)		2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 48.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14

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Kr-87	2.9662E+04	1.0472E-06	7.2485E+18	1.0975E+15
Kr-88	4.3505E+04	3.4695E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5079E+02	9.2111E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3570E+03	5.0867E-08	2.2860E+17	5.0207E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

	Total Release	Release Rate/s
Time (h) = 48.0000		
Noble gases (atoms)	1.7251E+23	9.9832E+17
Elemental I (atoms)	3.2971E+19	1.9080E+14
Organic I (atoms)	1.0197E+18	5.9011E+12
Aerosols (kg)	2.1095E-05	1.2208E-10
Dose Effective (Ci) I-131 (Thyroid)		9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		1.2414E+03
Total I (Ci)		5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 48.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

Normal Environment to Control Room Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 48.0000		
Noble gases (atoms)	0.0000E+00	1.3553E+19
Elemental I (atoms)	0.0000E+00	2.4394E+15
Organic I (atoms)	0.0000E+00	7.5447E+13
Aerosols (kg)	0.0000E+00	1.6585E-09

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 48.0000		
Noble gases (atoms)	1.3503E+19	0.0000E+00
Elemental I (atoms)	2.4073E+15	0.0000E+00
Organic I (atoms)	7.4452E+13	0.0000E+00
Aerosols (kg)	1.6526E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 48.0000		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

CRDA GAP MVP TRIP 10 MIN.o0

Time (h) = 48.0000	Ci	kg	Atoms	Decay
Kr-85	2.0879E+02	5.3218E-04	3.7704E+21	1.3354E+18
Kr-85m	3.1077E+03	3.7763E-03	2.6754E+22	1.9880E+19
Kr-87	2.5649E-08	9.0549E-19	6.2678E+06	1.4509E+18
Kr-88	6.7922E-02	5.4168E-12	3.7069E+13	4.5469E+18
Rb-86	5.1054E-03	6.2745E-11	4.3937E+14	3.3891E+13
I-131	1.0738E+02	8.6612E-07	3.9816E+18	7.4941E+17
I-132	9.5647E-05	9.2662E-15	4.2274E+10	8.1194E+16
I-133	5.1505E+01	4.5467E-08	2.0587E+17	8.1365E+17
I-135	1.5574E+00	4.4346E-10	1.9782E+15	3.0187E+17
Xe-133	1.8834E+04	1.0062E-04	4.5559E+20	1.3777E+20
Xe-135	2.3839E+02	9.3351E-08	4.1642E+17	1.5312E+19
Cs-134	5.9189E-01	4.5747E-07	2.0559E+18	3.7884E+15
Cs-136	1.4846E-01	2.0256E-09	8.9696E+15	1.0014E+15
Cs-137	2.9130E-01	3.3490E-06	1.4721E+19	1.8629E+15

MVP Holdup Transport Group Inventory:

Time (h) = 48.0000	Atmosphere	Sump
Noble gases (atoms)	3.0981E+22	0.0000E+00
Elemental I (atoms)	4.0638E+18	0.0000E+00
Organic I (atoms)	1.2568E+17	0.0000E+00
Aerosols (kg)	3.8086E-06	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.3004E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		1.3596E-06
Total I (Ci)		1.6044E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 48.0000	Pathway	Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18
Aerosols (kg)		0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 48.0000	Pathway	Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9217E+23
Elemental I (atoms)		0.0000E+00	3.6947E+19
Organic I (atoms)		0.0000E+00	1.1427E+18
Aerosols (kg)		0.0000E+00	2.3498E-05

Detailed model information at time (H) = 72.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 72.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	5.3249E-23	7.1204E-21	2.7307E-22
Accumulated dose (rem)	1.9214E+00	2.7399E+01	2.7912E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 72.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	6.7315E-24	9.0012E-22	3.4520E-23
Accumulated dose (rem)	8.4492E-01	1.1721E+01	1.2172E+00

Control Room Doses:

Time (h) = 72.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.2782E-22	1.3460E-18	4.1911E-20
Accumulated dose (rem)	2.6668E-02	1.3772E+01	4.5996E-01

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DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 72.0000	Ci	kg	Atoms	Decay
Kr-85	3.4182E+03	8.7124E-03	6.1726E+22	3.2851E+19
Kr-85m	5.0867E+04	6.1811E-02	4.3792E+23	4.8900E+20
Kr-88	3.1788E-03	2.5350E-13	1.7348E+12	7.5167E+19
Rb-86	8.0548E-02	9.8993E-10	6.9320E+15	8.1874E+14
I-131	1.6130E+03	1.3011E-05	5.9810E+19	1.7690E+19
I-132	1.1315E-06	1.0962E-16	5.0010E+08	1.3431E+18
I-133	3.7902E+02	3.3459E-07	1.5150E+18	1.5233E+19
I-135	2.0585E+00	5.8616E-10	2.6148E+15	5.0068E+18
Xe-133	2.7028E+05	1.4439E-03	6.5381E+21	3.1858E+21
Xe-135	6.3090E+02	2.4705E-07	1.1021E+18	2.5794E+20
Cs-134	9.6828E+00	7.4838E-06	3.3633E+19	9.3160E+16
Cs-136	2.3056E+00	3.1459E-08	1.3930E+17	2.4010E+16
Cs-137	4.7695E+00	5.4834E-05	2.4103E+20	4.5830E+16

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 72.0000	Atmosphere	Sump	
Noble gases (atoms)	5.0619E+23	0.0000E+00	
Elemental I (atoms)	5.9488E+19	0.0000E+00	
Organic I (atoms)	1.8398E+18	0.0000E+00	
Aerosols (kg)	6.2350E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.0762E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			1.1008E-06
Total I (Ci)			1.9941E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 72.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 72.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 72.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9662E+04	1.0472E-06	7.2485E+18	1.0975E+15
Kr-88	4.3505E+04	3.4695E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5079E+02	9.2111E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3570E+03	5.0867E-08	2.2860E+17	5.0207E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

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Environment Transport Group Inventory:

	Total Release	Release Rate/s	
Time (h) = 72.0000			
Noble gases (atoms)	1.7251E+23	6.6555E+17	
Elemental I (atoms)	3.2971E+19	1.2720E+14	
Organic I (atoms)	1.0197E+18	3.9341E+12	
Aerosols (kg)	2.1095E-05	8.1385E-11	
Dose Effective (Ci) I-131 (Thyroid)			9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2414E+03
Total I (Ci)			5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 72.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

Normal Environment to Control Room Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 72.0000		
Noble gases (atoms)	0.0000E+00	1.3553E+19
Elemental I (atoms)	0.0000E+00	2.4394E+15
Organic I (atoms)	0.0000E+00	7.5447E+13
Aerosols (kg)	0.0000E+00	1.6585E-09

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 72.0000		
Noble gases (atoms)	1.3503E+19	0.0000E+00
Elemental I (atoms)	2.4073E+15	0.0000E+00
Organic I (atoms)	7.4452E+13	0.0000E+00
Aerosols (kg)	1.6526E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 72.0000		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 72.0000	Ci	kg	Atoms	Decay
Kr-85	2.0875E+02	5.3208E-04	3.7697E+21	2.0028E+18
Kr-85m	3.1065E+03	3.7749E-03	2.6744E+22	2.9813E+19
Kr-88	1.9413E-04	1.5482E-14	1.0595E+11	4.5469E+18
Rb-86	4.9192E-03	6.0457E-11	4.2335E+14	4.9912E+13
I-131	9.8507E+01	7.9458E-07	3.6527E+18	1.0783E+18
I-132	6.9102E-08	6.6945E-18	3.0542E+07	8.1194E+16
I-133	2.3148E+01	2.0434E-08	9.2523E+16	9.2700E+17
I-135	1.2572E-01	3.5798E-11	1.5969E+14	3.0368E+17
Xe-133	1.6506E+04	8.8184E-05	3.9929E+20	1.9418E+20
Xe-135	3.8530E+01	1.5088E-08	6.7304E+16	1.5663E+19
Cs-134	5.9134E-01	4.5705E-07	2.0540E+18	5.6797E+15
Cs-136	1.4081E-01	1.9212E-09	8.5073E+15	1.4637E+15

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 Cs-137 2.9128E-01 3.3488E-06 1.4720E+19 2.7941E+15

MVP Holdup Transport Group Inventory:

Time (h) = 72.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0914E+22	0.0000E+00	
Elemental I (atoms)	3.6330E+18	0.0000E+00	
Organic I (atoms)	1.1236E+17	0.0000E+00	
Aerosols (kg)	3.8078E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.1476E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			1.1739E-06
Total I (Ci)			1.2178E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 72.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 72.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 96.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 96.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	4.8101E-23	6.3482E-21	2.4395E-22
Accumulated dose (rem)	1.9214E+00	2.7399E+01	2.7912E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 96.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	6.0807E-24	8.0251E-22	3.0839E-23
Accumulated dose (rem)	8.4492E-01	1.1721E+01	1.2172E+00

Control Room Doses:

Time (h) = 96.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.7929E-24	7.3093E-21	2.2729E-22
Accumulated dose (rem)	2.6668E-02	1.3772E+01	4.5996E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 96.0000	Ci	kg	Atoms	Decay
Kr-85	3.4176E+03	8.7109E-03	6.1716E+22	4.3777E+19
Kr-85m	5.0848E+04	6.1788E-02	4.3776E+23	6.5158E+20
Kr-88	9.0853E-06	7.2455E-16	4.9584E+09	7.5167E+19
Rb-86	7.7611E-02	9.5383E-10	6.6792E+15	1.0715E+15
I-131	1.4797E+03	1.1936E-05	5.4870E+19	2.2630E+19
I-132	8.1746E-10	7.9195E-20	3.6130E+05	1.3431E+18
I-133	1.7034E+02	1.5037E-07	6.8087E+17	1.6067E+19
I-135	1.6617E-01	4.7317E-11	2.1107E+14	5.0092E+18
Xe-133	2.3685E+05	1.2654E-03	5.7294E+21	3.9952E+21
Xe-135	1.0158E+02	3.9778E-08	1.7744E+17	2.5887E+20

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Cs-134	9.6739E+00	7.4769E-06	3.3602E+19	1.2410E+17
Cs-136	2.1868E+00	2.9838E-08	1.3212E+17	3.1189E+16
Cs-137	4.7692E+00	5.4830E-05	2.4102E+20	6.1077E+16

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 96.0000	Atmosphere	Sump	
Noble gases (atoms)	5.0520E+23	0.0000E+00	
Elemental I (atoms)	5.3884E+19	0.0000E+00	
Organic I (atoms)	1.6665E+18	0.0000E+00	
Aerosols (kg)	6.2338E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			9.6833E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			9.7937E-07
Total I (Ci)			1.6503E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 96.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 96.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 96.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9662E+04	1.0472E-06	7.2485E+18	1.0975E+15
Kr-88	4.3505E+04	3.4695E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5079E+02	9.2111E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3570E+03	5.0867E-08	2.2860E+17	5.0207E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

Time (h) = 96.0000	Total Release	Release Rate/s	
Noble gases (atoms)	1.7251E+23	4.9916E+17	
Elemental I (atoms)	3.2971E+19	9.5401E+13	
Organic I (atoms)	1.0197E+18	2.9506E+12	
Aerosols (kg)	2.1095E-05	6.1039E-11	
Dose Effective (Ci) I-131 (Thyroid)			9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2414E+03
Total I (Ci)			5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

CRDA GAP MVP TRIP 10 MIN.o0

Time (h) = 96.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 96.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.3553E+19
Elemental I (atoms)	0.0000E+00	2.4394E+15
Organic I (atoms)	0.0000E+00	7.5447E+13
Aerosols (kg)	0.0000E+00	1.6585E-09

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 96.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	1.3503E+19	0.0000E+00
Elemental I (atoms)	2.4073E+15	0.0000E+00
Organic I (atoms)	7.4452E+13	0.0000E+00
Aerosols (kg)	1.6526E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 96.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 96.0000	Ci	kg	Atoms	Decay
Kr-85	2.0872E+02	5.3199E-04	3.7691E+21	2.6701E+18
Kr-85m	3.1054E+03	3.7735E-03	2.6735E+22	3.9742E+19
Kr-88	5.5486E-07	4.4250E-17	3.0282E+08	4.5469E+18
Rb-86	4.7398E-03	5.8252E-11	4.0791E+14	6.5350E+13
I-131	9.0371E+01	7.2894E-07	3.3510E+18	1.3800E+18
I-132	4.9924E-11	4.8366E-21	2.2065E+04	8.1194E+16
I-133	1.0403E+01	9.1835E-09	4.1582E+16	9.7794E+17
I-135	1.0148E-02	2.8897E-12	1.2891E+13	3.0383E+17
Xe-133	1.4465E+04	7.7278E-05	3.4991E+20	2.4361E+20
Xe-135	6.2037E+00	2.4293E-09	1.0837E+16	1.5719E+19
Cs-134	5.9080E-01	4.5663E-07	2.0521E+18	7.5692E+15
Cs-136	1.3355E-01	1.8222E-09	8.0689E+15	1.9021E+15
Cs-137	2.9127E-01	3.3486E-06	1.4719E+19	3.7253E+15

MVP Holdup Transport Group Inventory:

Time (h) = 96.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0854E+22	0.0000E+00	
Elemental I (atoms)	3.2908E+18	0.0000E+00	
Organic I (atoms)	1.0178E+17	0.0000E+00	
Aerosols (kg)	3.8071E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.0326E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		1.0443E-06
Total I (Ci)			1.0078E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

CRDA GAP MVP TRIP 10 MIN.o0

	Pathway	
	Filtered	Transported
Time (h) = 96.0000		
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 96.0000		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 120.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 120.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	2.0860E-23	2.6830E-21	1.0365E-22
Accumulated dose (rem)	1.9214E+00	2.7399E+01	2.7912E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 120.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	1.8024E-24	2.3183E-22	8.9563E-24
Accumulated dose (rem)	8.4492E-01	1.1721E+01	1.2172E+00

Control Room Doses:

Time (h) = 120.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	5.9360E-25	2.3593E-21	7.3398E-23
Accumulated dose (rem)	2.6668E-02	1.3772E+01	4.5996E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 120.0000	Ci	kg	Atoms	Decay
Kr-85	3.4170E+03	8.7094E-03	6.1705E+22	5.4701E+19
Kr-85m	5.0829E+04	6.1765E-02	4.3759E+23	8.1410E+20
Kr-88	2.5967E-08	2.0709E-18	1.4172E+07	7.5167E+19
Rb-86	7.4781E-02	9.1905E-10	6.4356E+15	1.3151E+15
I-131	1.3575E+03	1.0950E-05	5.0338E+19	2.7162E+19
I-133	7.6557E+01	6.7581E-08	3.0600E+17	1.6442E+19
I-135	1.3414E-02	3.8196E-12	1.7039E+13	5.0094E+18
Xe-133	2.0755E+05	1.1088E-03	5.0205E+21	4.7045E+21
Xe-135	1.6325E+01	6.3925E-09	2.8516E+16	2.5902E+20
Cs-134	9.6650E+00	7.4700E-06	3.3571E+19	1.5501E+17
Cs-136	2.0741E+00	2.8300E-08	1.2531E+17	3.7999E+16
Cs-137	4.7689E+00	5.4827E-05	2.4100E+20	7.6323E+16

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 120.0000	Atmosphere	Sump	
Noble gases (atoms)	5.0432E+23	0.0000E+00	
Elemental I (atoms)	4.9124E+19	0.0000E+00	
Organic I (atoms)	1.5193E+18	0.0000E+00	
Aerosols (kg)	6.2326E-05	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		8.7983E-07
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		8.8478E-07
Total I (Ci)			1.4341E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

CRDA GAP MVP TRIP 10 MIN.o0

Time (h) = 120.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 120.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 120.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9662E+04	1.0472E-06	7.2485E+18	1.0975E+15
Kr-88	4.3505E+04	3.4695E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5079E+02	9.2111E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3570E+03	5.0867E-08	2.2860E+17	5.0207E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

Time (h) = 120.0000	Total Release	Release Rate/s	
Noble gases (atoms)	1.7251E+23	3.9933E+17	
Elemental I (atoms)	3.2971E+19	7.6321E+13	
Organic I (atoms)	1.0197E+18	2.3604E+12	
Aerosols (kg)	2.1095E-05	4.8831E-11	
Dose Effective (Ci) I-131 (Thyroid)			9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2414E+03
Total I (Ci)			5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 120.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 120.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.3553E+19
Elemental I (atoms)	0.0000E+00	2.4394E+15
Organic I (atoms)	0.0000E+00	7.5447E+13
Aerosols (kg)	0.0000E+00	1.6585E-09

CRDA GAP MVP TRIP 10 MIN.o0

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 120.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	1.3503E+19	0.0000E+00
Elemental I (atoms)	2.4073E+15	0.0000E+00
Organic I (atoms)	7.4452E+13	0.0000E+00
Aerosols (kg)	1.6526E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 120.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 120.0000	Ci	kg	Atoms	Decay
Kr-85	2.0868E+02	5.3189E-04	3.7684E+21	3.3373E+18
Kr-85m	3.1042E+03	3.7721E-03	2.6725E+22	4.9668E+19
Kr-88	1.5859E-09	1.2647E-19	8.6549E+05	4.5469E+18
Rb-86	4.5670E-03	5.6128E-11	3.9304E+14	8.0224E+13
I-131	8.2906E+01	6.6873E-07	3.0742E+18	1.6568E+18
I-133	4.6754E+00	4.1273E-09	1.8688E+16	1.0008E+18
I-135	8.1921E-04	2.3327E-13	1.0406E+12	3.0384E+17
Xe-133	1.2675E+04	6.7716E-05	3.0661E+20	2.8693E+20
Xe-135	9.9698E-01	3.9040E-10	1.7415E+15	1.5728E+19
Cs-134	5.9025E-01	4.5621E-07	2.0503E+18	9.4570E+15
Cs-136	1.2667E-01	1.7283E-09	7.6530E+15	2.3180E+15
Cs-137	2.9125E-01	3.3484E-06	1.4718E+19	4.6564E+15

MVP Holdup Transport Group Inventory:

Time (h) = 120.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0800E+22	0.0000E+00	
Elemental I (atoms)	3.0001E+18	0.0000E+00	
Organic I (atoms)	9.2787E+16	0.0000E+00	
Aerosols (kg)	3.8064E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		9.3818E-07
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		9.4347E-07
Total I (Ci)			8.7582E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 120.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 120.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

CRDA GAP MVP TRIP 10 MIN.o0

Detailed model information at time (h) = 144.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 144.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.9550E-23	2.4442E-21	9.5028E-23
Accumulated dose (rem)	1.9214E+00	2.7399E+01	2.7912E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 144.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.6892E-24	2.1119E-22	8.2110E-24
Accumulated dose (rem)	8.4492E-01	1.1721E+01	1.2172E+00

Control Room Doses:

Time (h) = 144.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	5.4017E-25	2.0862E-21	6.4963E-23
Accumulated dose (rem)	2.6668E-02	1.3772E+01	4.5996E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 144.0000	Ci	kg	Atoms	Decay
Kr-85	3.4164E+03	8.7078E-03	6.1694E+22	6.5624E+19
Kr-85m	5.0811E+04	6.1742E-02	4.3743E+23	9.7657E+20
Kr-88	7.4218E-11	5.9189E-21	4.0505E+04	7.5167E+19
Rb-86	7.2054E-02	8.8554E-10	6.2010E+15	1.5497E+15
I-131	1.2454E+03	1.0046E-05	4.6180E+19	3.1320E+19
I-133	3.4407E+01	3.0373E-08	1.3753E+17	1.6611E+19
I-135	1.0828E-03	3.0833E-13	1.3754E+12	5.0094E+18
Xe-133	1.8186E+05	9.7156E-04	4.3992E+21	5.3261E+21
Xe-135	2.6210E+00	1.0263E-09	4.5783E+15	2.5904E+20
Cs-134	9.6561E+00	7.4632E-06	3.3540E+19	1.8589E+17
Cs-136	1.9672E+00	2.6841E-08	1.1885E+17	4.4457E+16
Cs-137	4.7686E+00	5.4823E-05	2.4099E+20	9.1567E+16

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 144.0000	Atmosphere	Sump	
Noble gases (atoms)	5.0352E+23	0.0000E+00	
Elemental I (atoms)	4.4928E+19	0.0000E+00	
Organic I (atoms)	1.3895E+18	0.0000E+00	
Aerosols (kg)	6.2314E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			8.0332E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			8.0555E-07
Total I (Ci)			1.2798E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 144.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 144.0000	Pathway	Transported
Noble gases (atoms)	Filtered	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

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Environment Integral Nuclide Release:

Time (h) = 144.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9662E+04	1.0472E-06	7.2485E+18	1.0975E+15
Kr-88	4.3505E+04	3.4695E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5079E+02	9.2111E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3570E+03	5.0867E-08	2.2860E+17	5.0207E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

Time (h) = 144.0000	Total Release	Release Rate/s
Noble gases (atoms)	1.7251E+23	3.3277E+17
Elemental I (atoms)	3.2971E+19	6.3601E+13
Organic I (atoms)	1.0197E+18	1.9670E+12
Aerosols (kg)	2.1095E-05	4.0693E-11
Dose Effective (Ci) I-131 (Thyroid)		9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		1.2414E+03
Total I (Ci)		5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 144.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 144.0000	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.3553E+19
Elemental I (atoms)	0.0000E+00	2.4394E+15
Organic I (atoms)	0.0000E+00	7.5447E+13
Aerosols (kg)	0.0000E+00	1.6585E-09

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 144.0000	Pathway Filtered	Transported
Noble gases (atoms)	1.3503E+19	0.0000E+00
Elemental I (atoms)	2.4073E+15	0.0000E+00
Organic I (atoms)	7.4452E+13	0.0000E+00
Aerosols (kg)	1.6526E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 144.0000	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19

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Organic I (atoms) 0.0000E+00 1.1427E+18
 Aerosols (kg) 0.0000E+00 2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 144.0000	Ci	kg	Atoms	Decay
Kr-85	2.0864E+02	5.3180E-04	3.7677E+21	4.0043E+18
Kr-85m	3.1031E+03	3.7707E-03	2.6715E+22	5.9589E+19
Rb-86	4.4005E-03	5.4081E-11	3.7870E+14	9.4556E+13
I-131	7.6058E+01	6.1350E-07	2.8203E+18	1.9107E+18
I-133	2.1013E+00	1.8549E-09	8.3989E+15	1.0111E+18
I-135	6.6130E-05	1.8831E-14	8.4000E+10	3.0384E+17
Xe-133	1.1106E+04	5.9335E-05	2.6866E+20	3.2489E+20
Xe-135	1.6007E-01	6.2680E-11	2.7961E+14	1.5730E+19
Cs-134	5.8971E-01	4.5579E-07	2.0484E+18	1.1343E+16
Cs-136	1.2014E-01	1.6392E-09	7.2586E+15	2.7124E+15
Cs-137	2.9123E-01	3.3482E-06	1.4718E+19	5.5874E+15

MVP Holdup Transport Group Inventory:

Time (h) = 144.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0751E+22	0.0000E+00	
Elemental I (atoms)	2.7438E+18	0.0000E+00	
Organic I (atoms)	8.4860E+16	0.0000E+00	
Aerosols (kg)	3.8056E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			8.5661E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			8.5898E-07
Total I (Ci)			7.8159E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 144.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 144.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 168.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 168.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.8431E-23	2.2346E-21	8.7507E-23
Accumulated dose (rem)	1.9214E+00	2.7399E+01	2.7912E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 168.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.5925E-24	1.9308E-22	7.5612E-24
Accumulated dose (rem)	8.4492E-01	1.1721E+01	1.2172E+00

Control Room Doses:

Time (h) = 168.0000	Whole Body	Thyroid	TEDE

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Delta dose (rem) 5.0926E-25 1.9073E-21 5.9468E-23
 Accumulated dose (rem) 2.6668E-02 1.3772E+01 4.5996E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 168.0000	Ci	kg	Atoms	Decay
Kr-85	3.4158E+03	8.7063E-03	6.1683E+22	7.6544E+19
Kr-85m	5.0792E+04	6.1719E-02	4.3727E+23	1.1390E+21
Rb-86	6.9427E-02	8.5325E-10	5.9749E+15	1.7759E+15
I-131	1.1425E+03	9.2157E-06	4.2365E+19	3.5135E+19
I-133	1.5463E+01	1.3650E-08	6.1807E+16	1.6686E+19
I-135	8.7410E-05	2.4890E-14	1.1103E+11	5.0094E+18
Xe-133	1.5935E+05	8.5130E-04	3.8546E+21	5.8707E+21
Xe-135	4.2061E-01	1.6470E-10	7.3471E+14	2.5904E+20
Cs-134	9.6472E+00	7.4563E-06	3.3510E+19	2.1675E+17
Cs-136	1.8658E+00	2.5458E-08	1.1273E+17	5.0582E+16
Cs-137	4.7683E+00	5.4820E-05	2.4097E+20	1.0681E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 168.0000	Atmosphere	Sump	
Noble gases (atoms)	5.0281E+23	0.0000E+00	
Elemental I (atoms)	4.1154E+19	0.0000E+00	
Organic I (atoms)	1.2728E+18	0.0000E+00	
Aerosols (kg)	6.2303E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			7.3525E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			7.3625E-07
Total I (Ci)			1.1580E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 168.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 168.0000	Pathway	Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18
Aerosols (kg)		0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 168.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9662E+04	1.0472E-06	7.2485E+18	1.0975E+15
Kr-88	4.3505E+04	3.4695E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5079E+02	9.2111E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3570E+03	5.0867E-08	2.2860E+17	5.0207E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

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Environment Transport Group Inventory:

	Total Release	Release Rate/s	
Time (h) = 168.0000			
Noble gases (atoms)	1.7251E+23	2.8523E+17	
Elemental I (atoms)	3.2971E+19	5.4515E+13	
Organic I (atoms)	1.0197E+18	1.6860E+12	
Aerosols (kg)	2.1095E-05	3.4879E-11	
Dose Effective (Ci) I-131 (Thyroid)			9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2414E+03
Total I (Ci)			5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 168.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

Normal Environment to Control Room Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 168.0000		
Noble gases (atoms)	0.0000E+00	1.3553E+19
Elemental I (atoms)	0.0000E+00	2.4394E+15
Organic I (atoms)	0.0000E+00	7.5447E+13
Aerosols (kg)	0.0000E+00	1.6585E-09

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 168.0000		
Noble gases (atoms)	1.3503E+19	0.0000E+00
Elemental I (atoms)	2.4073E+15	0.0000E+00
Organic I (atoms)	7.4452E+13	0.0000E+00
Aerosols (kg)	1.6526E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 168.0000		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 168.0000	Ci	kg	Atoms	Decay
Kr-85	2.0861E+02	5.3171E-04	3.7671E+21	4.6712E+18
Kr-85m	3.1019E+03	3.7693E-03	2.6705E+22	6.9508E+19
Rb-86	4.2400E-03	5.2109E-11	3.6489E+14	1.0837E+14
I-131	6.9776E+01	5.6282E-07	2.5873E+18	2.1437E+18
I-133	9.4436E-01	8.3364E-10	3.7747E+15	1.0157E+18
I-135	5.3383E-06	1.5201E-15	6.7808E+09	3.0384E+17
Xe-133	9.7317E+03	5.1991E-05	2.3541E+20	3.5814E+20
Xe-135	2.5687E-02	1.0059E-11	4.4870E+13	1.5730E+19
Cs-134	5.8917E-01	4.5537E-07	2.0465E+18	1.3227E+16
Cs-136	1.1395E-01	1.5548E-09	6.8846E+15	3.0865E+15
Cs-137	2.9121E-01	3.3479E-06	1.4717E+19	6.5184E+15

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MVP Holdup Transport Group Inventory:

Time (h) = 168.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0707E+22	0.0000E+00	
Elemental I (atoms)	2.5134E+18	0.0000E+00	
Organic I (atoms)	7.7733E+16	0.0000E+00	
Aerosols (kg)	3.8049E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		7.8402E-07
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		7.8508E-07
Total I (Ci)			7.0720E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 168.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 168.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 192.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 192.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.7459E-23	2.0466E-21	8.0801E-23
Accumulated dose (rem)	1.9214E+00	2.7399E+01	2.7912E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 192.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.5086E-24	1.7684E-22	6.9818E-24
Accumulated dose (rem)	8.4492E-01	1.1721E+01	1.2172E+00

Control Room Doses:

Time (h) = 192.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	4.8241E-25	1.7468E-21	5.4547E-23
Accumulated dose (rem)	2.6668E-02	1.3772E+01	4.5996E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 192.0000	Ci	kg	Atoms	Decay
Kr-85	3.4152E+03	8.7047E-03	6.1672E+22	8.7463E+19
Kr-85m	5.0773E+04	6.1696E-02	4.3711E+23	1.3013E+21
Rb-86	6.6895E-02	8.2213E-10	5.7570E+15	1.9937E+15
I-131	1.0481E+03	8.4545E-06	3.8866E+19	3.8634E+19
I-133	6.9495E+00	6.1348E-09	2.7778E+16	1.6721E+19
I-135	7.0561E-06	2.0092E-15	8.9628E+09	5.0094E+18
Xe-133	1.3962E+05	7.4592E-04	3.3775E+21	6.3478E+21
Xe-135	6.7481E-02	2.6425E-11	1.1788E+14	2.5904E+20
Cs-134	9.6383E+00	7.4494E-06	3.3479E+19	2.4757E+17
Cs-136	1.7697E+00	2.4146E-08	1.0692E+17	5.6392E+16
Cs-137	4.7680E+00	5.4816E-05	2.4096E+20	1.2205E+17

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DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 192.0000	Atmosphere	Sump	
Noble gases (atoms)	5.0216E+23	0.0000E+00	
Elemental I (atoms)	3.7727E+19	0.0000E+00	
Organic I (atoms)	1.1668E+18	0.0000E+00	
Aerosols (kg)	6.2291E-05	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		6.7374E-07
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		6.7419E-07
Total I (Ci)			1.0551E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 192.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 192.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 192.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9662E+04	1.0472E-06	7.2485E+18	1.0975E+15
Kr-88	4.3505E+04	3.4695E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5079E+02	9.2111E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3570E+03	5.0867E-08	2.2860E+17	5.0207E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

	Total	Release	
Time (h) = 192.0000	Release	Rate/s	
Noble gases (atoms)	1.7251E+23	2.4958E+17	
Elemental I (atoms)	3.2971E+19	4.7701E+13	
Organic I (atoms)	1.0197E+18	1.4753E+12	
Aerosols (kg)	2.1095E-05	3.0519E-11	
Dose Effective (Ci)	I-131 (Thyroid)		9.8108E+02
Dose Effective (Ci)	I-131 (ICRP2 Thyroid)		1.2414E+03
Total I (Ci)			5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 192.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17

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Organic I (atoms) 2.6302E+16
 Aerosols (kg) 6.2256E-07

Normal Environment to Control Room Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 192.0000		
Noble gases (atoms)	0.0000E+00	1.3553E+19
Elemental I (atoms)	0.0000E+00	2.4394E+15
Organic I (atoms)	0.0000E+00	7.5447E+13
Aerosols (kg)	0.0000E+00	1.6585E-09

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 192.0000		
Noble gases (atoms)	1.3503E+19	0.0000E+00
Elemental I (atoms)	2.4073E+15	0.0000E+00
Organic I (atoms)	7.4452E+13	0.0000E+00
Aerosols (kg)	1.6526E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 192.0000		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 192.0000	Ci	kg	Atoms	Decay
Kr-85	2.0857E+02	5.3161E-04	3.7664E+21	5.3381E+18
Kr-85m	3.1008E+03	3.7679E-03	2.6695E+22	7.9422E+19
Rb-86	4.0854E-03	5.0209E-11	3.5159E+14	1.2167E+14
I-131	6.4012E+01	5.1633E-07	2.3736E+18	2.3574E+18
I-133	4.2442E-01	3.7466E-10	1.6964E+15	1.0178E+18
I-135	4.3092E-07	1.2271E-16	5.4737E+08	3.0384E+17
Xe-133	8.5270E+03	4.5555E-05	2.0627E+20	3.8729E+20
Xe-135	4.1212E-03	1.6138E-12	7.1989E+12	1.5730E+19
Cs-134	5.8863E-01	4.5495E-07	2.0446E+18	1.5110E+16
Cs-136	1.0808E-01	1.4746E-09	6.5297E+15	3.4413E+15
Cs-137	2.9119E-01	3.3477E-06	1.4716E+19	7.4493E+15

MVP Holdup Transport Group Inventory:

Time (h) = 192.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0668E+22	0.0000E+00	
Elemental I (atoms)	2.3040E+18	0.0000E+00	
Organic I (atoms)	7.1259E+16	0.0000E+00	
Aerosols (kg)	3.8042E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		7.1843E-07
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		7.1891E-07
Total I (Ci)			6.4436E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 192.0000		
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

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MVP Holdup to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 192.0000		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 216.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 216.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.6610E-23	1.8761E-21	7.4755E-23
Accumulated dose (rem)	1.9214E+00	2.7399E+01	2.7912E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 216.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.4352E-24	1.6210E-22	6.4593E-24
Accumulated dose (rem)	8.4492E-01	1.1721E+01	1.2172E+00

Control Room Doses:

Time (h) = 216.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	4.5896E-25	1.6013E-21	5.0087E-23
Accumulated dose (rem)	2.6668E-02	1.3772E+01	4.5996E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 216.0000	Ci	kg	Atoms	Decay
Kr-85	3.4146E+03	8.7032E-03	6.1661E+22	9.8379E+19
Kr-85m	5.0754E+04	6.1673E-02	4.3694E+23	1.4636E+21
Rb-86	6.4456E-02	7.9216E-10	5.5471E+15	2.2037E+15
I-131	9.6157E+02	7.7562E-06	3.5655E+19	4.1844E+19
I-133	3.1233E+00	2.7571E-09	1.2484E+16	1.6736E+19
I-135	5.6959E-07	1.6219E-16	7.2351E+08	5.0094E+18
Xe-133	1.2234E+05	6.5359E-04	2.9594E+21	6.7660E+21
Xe-135	1.0825E-02	4.2390E-12	1.8909E+13	2.5904E+20
Cs-134	9.6294E+00	7.4426E-06	3.3448E+19	2.7837E+17
Cs-136	1.6785E+00	2.2902E-08	1.0141E+17	6.1902E+16
Cs-137	4.7677E+00	5.4813E-05	2.4094E+20	1.3730E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 216.0000	Atmosphere	Sump
Noble gases (atoms)	5.0157E+23	0.0000E+00
Elemental I (atoms)	3.4598E+19	0.0000E+00
Organic I (atoms)	1.0700E+18	0.0000E+00
Aerosols (kg)	6.2279E-05	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		6.1774E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		6.1794E-07
Total I (Ci)		9.6469E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 216.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

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DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 216.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 216.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9662E+04	1.0472E-06	7.2485E+18	1.0975E+15
Kr-88	4.3505E+04	3.4695E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5079E+02	9.2111E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3570E+03	5.0867E-08	2.2860E+17	5.0207E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

Time (h) = 216.0000	Total Release	Release Rate/s
Noble gases (atoms)	1.7251E+23	2.2185E+17
Elemental I (atoms)	3.2971E+19	4.2401E+13
Organic I (atoms)	1.0197E+18	1.3114E+12
Aerosols (kg)	2.1095E-05	2.7128E-11
Dose Effective (Ci) I-131 (Thyroid)		9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		1.2414E+03
Total I (Ci)		5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 216.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 216.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.3553E+19
Elemental I (atoms)	0.0000E+00	2.4394E+15
Organic I (atoms)	0.0000E+00	7.5447E+13
Aerosols (kg)	0.0000E+00	1.6585E-09

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 216.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	1.3503E+19	0.0000E+00
Elemental I (atoms)	2.4073E+15	0.0000E+00

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Organic I (atoms) 7.4452E+13 0.0000E+00
 Aerosols (kg) 1.6526E-09 0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 216.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 216.0000	Ci	kg	Atoms	Decay
Kr-85	2.0853E+02	5.3152E-04	3.7657E+21	6.0048E+18
Kr-85m	3.0996E+03	3.7665E-03	2.6685E+22	8.9333E+19
Rb-86	3.9364E-03	4.8378E-11	3.3877E+14	1.3449E+14
I-131	5.8725E+01	4.7368E-07	2.1775E+18	2.5535E+18
I-133	1.9075E-01	1.6838E-10	7.6242E+14	1.0188E+18
I-135	3.4786E-08	9.9053E-18	4.4186E+07	3.0384E+17
Xe-133	7.4715E+03	3.9916E-05	1.8073E+20	4.1282E+20
Xe-135	6.6111E-04	2.5888E-13	1.1548E+12	1.5730E+19
Cs-134	5.8809E-01	4.5453E-07	2.0427E+18	1.6991E+16
Cs-136	1.0251E-01	1.3986E-09	6.1932E+15	3.7778E+15
Cs-137	2.9117E-01	3.3475E-06	1.4715E+19	8.3801E+15

MVP Holdup Transport Group Inventory:

Time (h) = 216.0000	Atmosphere	Sump
Noble gases (atoms)	3.0631E+22	0.0000E+00
Elemental I (atoms)	2.1130E+18	0.0000E+00
Organic I (atoms)	6.5349E+16	0.0000E+00
Aerosols (kg)	3.8035E-06	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		6.5872E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		6.5893E-07
Total I (Ci)		5.8915E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 216.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 216.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 240.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 240.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.5866E-23	1.7205E-21	6.9270E-23
Accumulated dose (rem)	1.9214E+00	2.7399E+01	2.7912E+00

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CRDA @ LPZ - Condenser Release Doses:

Time (h) = 240.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.3709E-24	1.4866E-22	5.9854E-24
Accumulated dose (rem)	8.4492E-01	1.1721E+01	1.2172E+00

Control Room Doses:

Time (h) = 240.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	4.3839E-25	1.4685E-21	4.6020E-23
Accumulated dose (rem)	2.6668E-02	1.3772E+01	4.5996E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 240.0000	Ci	kg	Atoms	Decay
Kr-85	3.4140E+03	8.7017E-03	6.1650E+22	1.0929E+20
Kr-85m	5.0735E+04	6.1650E-02	4.3678E+23	1.6258E+21
Rb-86	6.2105E-02	7.6327E-10	5.3448E+15	2.4059E+15
I-131	8.8214E+02	7.1155E-06	3.2710E+19	4.4789E+19
I-133	1.4037E+00	1.2391E-09	5.6107E+15	1.6743E+19
I-135	4.5980E-08	1.3093E-17	5.8404E+07	5.0094E+18
Xe-133	1.0719E+05	5.7268E-04	2.5930E+21	7.1323E+21
Xe-135	1.7365E-03	6.7997E-13	3.0332E+12	2.5904E+20
Cs-134	9.6206E+00	7.4357E-06	3.3417E+19	3.0914E+17
Cs-136	1.5920E+00	2.1721E-08	9.6183E+16	6.7128E+16
Cs-137	4.7674E+00	5.4810E-05	2.4093E+20	1.5254E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 240.0000	Atmosphere	Sump
Noble gases (atoms)	5.0103E+23	0.0000E+00
Elemental I (atoms)	3.1734E+19	0.0000E+00
Organic I (atoms)	9.8148E+17	0.0000E+00
Aerosols (kg)	6.2268E-05	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		5.6656E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		5.6665E-07
Total I (Ci)		8.8355E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 240.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 240.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 240.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9662E+04	1.0472E-06	7.2485E+18	1.0975E+15
Kr-88	4.3505E+04	3.4695E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13

	CRDA	GAP	MVP	TRIP	10 MIN.00
I-132	9.5079E+02	9.2111E-08	4.2023E+17	3.5179E+13	
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13	
I-134	1.3570E+03	5.0867E-08	2.2860E+17	5.0207E+13	
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13	
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15	
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15	
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11	
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10	
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10	

Environment Transport Group Inventory:

Time (h) = 240.0000	Total Release	Release Rate/s	
Noble gases (atoms)	1.7251E+23	1.9966E+17	
Elemental I (atoms)	3.2971E+19	3.8161E+13	
Organic I (atoms)	1.0197E+18	1.1802E+12	
Aerosols (kg)	2.1095E-05	2.4416E-11	
Dose Effective (Ci) I-131 (Thyroid)			9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2414E+03
Total I (Ci)			5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 240.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 240.0000	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.3553E+19
Elemental I (atoms)	0.0000E+00	2.4394E+15
Organic I (atoms)	0.0000E+00	7.5447E+13
Aerosols (kg)	0.0000E+00	1.6585E-09

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 240.0000	Pathway Filtered	Transported
Noble gases (atoms)	1.3503E+19	0.0000E+00
Elemental I (atoms)	2.4073E+15	0.0000E+00
Organic I (atoms)	7.4452E+13	0.0000E+00
Aerosols (kg)	1.6526E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 240.0000	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 240.0000	Ci	kg	Atoms	Decay
Kr-85	2.0850E+02	5.3142E-04	3.7651E+21	6.6713E+18
Kr-85m	3.0985E+03	3.7651E-03	2.6675E+22	9.9240E+19
Rb-86	3.7929E-03	4.6614E-11	3.2641E+14	1.4684E+14

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I-131	5.3874E+01	4.3456E-07	1.9977E+18	2.7333E+18
I-133	8.5726E-02	7.5675E-11	3.4265E+14	1.0192E+18
I-135	2.8080E-09	7.9959E-19	3.5668E+06	3.0384E+17
Xe-133	6.5466E+03	3.4974E-05	1.5836E+20	4.3520E+20
Xe-135	1.0605E-04	4.1527E-14	1.8525E+11	1.5730E+19
Cs-134	5.8754E-01	4.5411E-07	2.0408E+18	1.8870E+16
Cs-136	9.7225E-02	1.3266E-09	5.8740E+15	4.0970E+15
Cs-137	2.9116E-01	3.3473E-06	1.4714E+19	9.3109E+15

MVP Holdup Transport Group Inventory:

Time (h) = 240.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0598E+22	0.0000E+00	
Elemental I (atoms)	1.9381E+18	0.0000E+00	
Organic I (atoms)	5.9940E+16	0.0000E+00	
Aerosols (kg)	3.8028E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		6.0414E-07
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		6.0424E-07
Total I (Ci)			5.3960E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 240.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 240.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 264.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 264.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	1.5213E-23	1.5781E-21	6.4280E-23
Accumulated dose (rem)	1.9214E+00	2.7399E+01	2.7912E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 264.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	1.3145E-24	1.3636E-22	5.5542E-24
Accumulated dose (rem)	8.4492E-01	1.1721E+01	1.2172E+00

Control Room Doses:

Time (h) = 264.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	4.2034E-25	1.3470E-21	4.2301E-23
Accumulated dose (rem)	2.6668E-02	1.3772E+01	4.5996E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 264.0000	Ci	kg	Atoms	Decay
Kr-85	3.4134E+03	8.7001E-03	6.1639E+22	1.2021E+20
Kr-85m	5.0716E+04	6.1627E-02	4.3662E+23	1.7880E+21
Rb-86	5.9841E-02	7.3544E-10	5.1499E+15	2.6008E+15

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I-131	8.0928E+02	6.5278E-06	3.0008E+19	4.7491E+19
I-133	6.3085E-01	5.5689E-10	2.5216E+15	1.6746E+19
I-135	3.7116E-09	1.0569E-18	4.7146E+06	5.0094E+18
Xe-133	9.3925E+04	5.0178E-04	2.2720E+21	7.4533E+21
Xe-135	2.7853E-04	1.0907E-13	4.8654E+11	2.5904E+20
Cs-134	9.6117E+00	7.4289E-06	3.3386E+19	3.3988E+17
Cs-136	1.5099E+00	2.0602E-08	9.1226E+16	7.2085E+16
Cs-137	4.7671E+00	5.4806E-05	2.4091E+20	1.6778E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 264.0000	Atmosphere	Sump	
Noble gases (atoms)	5.0053E+23	0.0000E+00	
Elemental I (atoms)	2.9111E+19	0.0000E+00	
Organic I (atoms)	9.0033E+17	0.0000E+00	
Aerosols (kg)	6.2256E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			5.1969E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			5.1973E-07
Total I (Ci)			8.0991E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 264.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 264.0000	Pathway	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 264.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9662E+04	1.0472E-06	7.2485E+18	1.0975E+15
Kr-88	4.3505E+04	3.4695E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5079E+02	9.2111E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3570E+03	5.0867E-08	2.2860E+17	5.0207E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

Time (h) = 264.0000	Total Release	Release Rate/s
Noble gases (atoms)	1.7251E+23	1.8151E+17
Elemental I (atoms)	3.2971E+19	3.4691E+13
Organic I (atoms)	1.0197E+18	1.0729E+12
Aerosols (kg)	2.1095E-05	2.2196E-11

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Dose Effective (Ci) I-131 (Thyroid) 9.8108E+02
 Dose Effective (Ci) I-131 (ICRP2 Thyroid) 1.2414E+03
 Total I (Ci) 5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 264.0000 Leakage Transport

Noble gases (atoms) 5.0830E+21
 Elemental I (atoms) 8.5045E+17
 Organic I (atoms) 2.6302E+16
 Aerosols (kg) 6.2256E-07

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 264.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.3553E+19
Elemental I (atoms)	0.0000E+00	2.4394E+15
Organic I (atoms)	0.0000E+00	7.5447E+13
Aerosols (kg)	0.0000E+00	1.6585E-09

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 264.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	1.3503E+19	0.0000E+00
Elemental I (atoms)	2.4073E+15	0.0000E+00
Organic I (atoms)	7.4452E+13	0.0000E+00
Aerosols (kg)	1.6526E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 264.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 264.0000	Ci	kg	Atoms	Decay
Kr-85	2.0846E+02	5.3133E-04	3.7644E+21	7.3378E+18
Kr-85m	3.0973E+03	3.7637E-03	2.6665E+22	1.0914E+20
Rb-86	3.6546E-03	4.4914E-11	3.1451E+14	1.5875E+14
I-131	4.9424E+01	3.9866E-07	1.8327E+18	2.8983E+18
I-133	3.8527E-02	3.4010E-11	1.5400E+14	1.0194E+18
I-135	2.2668E-10	6.4546E-20	2.8793E+05	3.0384E+17
Xe-133	5.7362E+03	3.0645E-05	1.3876E+20	4.5480E+20
Xe-135	1.7011E-05	6.6611E-15	2.9714E+10	1.5730E+19
Cs-134	5.8700E-01	4.5370E-07	2.0390E+18	2.0747E+16
Cs-136	9.2214E-02	1.2582E-09	5.5713E+15	4.3997E+15
Cs-137	2.9114E-01	3.3471E-06	1.4713E+19	1.0242E+16

MVP Holdup Transport Group Inventory:

Time (h) = 264.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0568E+22	0.0000E+00	
Elemental I (atoms)	1.7778E+18	0.0000E+00	
Organic I (atoms)	5.4985E+16	0.0000E+00	
Aerosols (kg)	3.8021E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			5.5416E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			5.5421E-07
Total I (Ci)			4.9462E+01

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DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 264.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 264.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 288.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 288.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.4639E-23	1.4477E-21	5.9733E-23
Accumulated dose (rem)	1.9214E+00	2.7399E+01	2.7912E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 288.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.2649E-24	1.2509E-22	5.1613E-24
Accumulated dose (rem)	8.4492E-01	1.1721E+01	1.2172E+00

Control Room Doses:

Time (h) = 288.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	4.0448E-25	1.2356E-21	3.8894E-23
Accumulated dose (rem)	2.6668E-02	1.3772E+01	4.5996E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 288.0000	Ci	kg	Atoms	Decay
Kr-85	3.4128E+03	8.6986E-03	6.1628E+22	1.3112E+20
Kr-85m	5.0697E+04	6.1604E-02	4.3646E+23	1.9501E+21
Rb-86	5.7659E-02	7.0862E-10	4.9621E+15	2.7886E+15
I-131	7.4243E+02	5.9886E-06	2.7530E+19	4.9970E+19
I-133	2.8352E-01	2.5028E-10	1.1333E+15	1.6747E+19
I-135	2.9962E-10	8.5316E-20	3.8058E+05	5.0094E+18
Xe-133	8.2298E+04	4.3967E-04	1.9908E+21	7.7346E+21
Xe-135	4.4677E-05	1.7495E-14	7.8042E+10	2.5904E+20
Cs-134	9.6029E+00	7.4221E-06	3.3356E+19	3.7059E+17
Cs-136	1.4321E+00	1.9540E-08	8.6524E+16	7.6787E+16
Cs-137	4.7668E+00	5.4803E-05	2.4090E+20	1.8302E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 288.0000	Atmosphere	Sump	
Noble gases (atoms)	5.0008E+23	0.0000E+00	
Elemental I (atoms)	2.6705E+19	0.0000E+00	
Organic I (atoms)	8.2593E+17	0.0000E+00	
Aerosols (kg)	6.2245E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			4.7673E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			4.7675E-07
Total I (Ci)			7.4271E+02

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DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 288.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 288.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 288.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9662E+04	1.0472E-06	7.2485E+18	1.0975E+15
Kr-88	4.3505E+04	3.4695E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5079E+02	9.2111E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3570E+03	5.0867E-08	2.2860E+17	5.0207E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

Time (h) = 288.0000	Total Release	
	Release	Rate/s
Noble gases (atoms)	1.7251E+23	1.6639E+17
Elemental I (atoms)	3.2971E+19	3.1800E+13
Organic I (atoms)	1.0197E+18	9.8352E+11
Aerosols (kg)	2.1095E-05	2.0346E-11
Dose Effective (Ci) I-131 (Thyroid)		9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		1.2414E+03
Total I (Ci)		5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 288.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 288.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.3553E+19
Elemental I (atoms)	0.0000E+00	2.4394E+15

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Organic I (atoms) 0.0000E+00 7.5447E+13
 Aerosols (kg) 0.0000E+00 1.6585E-09

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 288.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	1.3503E+19	0.0000E+00
Elemental I (atoms)	2.4073E+15	0.0000E+00
Organic I (atoms)	7.4452E+13	0.0000E+00
Aerosols (kg)	1.6526E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 288.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 288.0000	Ci	kg	Atoms	Decay
Kr-85	2.0842E+02	5.3124E-04	3.7637E+21	8.0041E+18
Kr-85m	3.0962E+03	3.7623E-03	2.6655E+22	1.1904E+20
Rb-86	3.5213E-03	4.3277E-11	3.0304E+14	1.7022E+14
I-131	4.5341E+01	3.6573E-07	1.6813E+18	3.0497E+18
I-133	1.7315E-02	1.5285E-11	6.9210E+13	1.0195E+18
I-135	1.8298E-11	5.2104E-21	2.3243E+04	3.0384E+17
Xe-133	5.0261E+03	2.6851E-05	1.2158E+20	4.7198E+20
Xe-135	2.7285E-06	1.0684E-15	4.7662E+09	1.5730E+19
Cs-134	5.8646E-01	4.5328E-07	2.0371E+18	2.2623E+16
Cs-136	8.7462E-02	1.1933E-09	5.2842E+15	4.6868E+15
Cs-137	2.9112E-01	3.3469E-06	1.4712E+19	1.1172E+16

MVP Holdup Transport Group Inventory:

Time (h) = 288.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0541E+22	0.0000E+00	
Elemental I (atoms)	1.6309E+18	0.0000E+00	
Organic I (atoms)	5.0441E+16	0.0000E+00	
Aerosols (kg)	3.8014E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			5.0836E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			5.0838E-07
Total I (Ci)			4.5359E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 288.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 288.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

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Detailed model information at time (H) = 312.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 312.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.4134E-23	1.3281E-21	5.5586E-23
Accumulated dose (rem)	1.9214E+00	2.7399E+01	2.7912E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 312.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.2213E-24	1.1476E-22	4.8030E-24
Accumulated dose (rem)	8.4492E-01	1.1721E+01	1.2172E+00

Control Room Doses:

Time (h) = 312.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.9053E-25	1.1336E-21	3.5771E-23
Accumulated dose (rem)	2.6668E-02	1.3772E+01	4.5996E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 312.0000	Ci	kg	Atoms	Decay
Kr-85	3.4121E+03	8.6970E-03	6.1617E+22	1.4203E+20
Kr-85m	5.0679E+04	6.1581E-02	4.3630E+23	2.1121E+21
Rb-86	5.5556E-02	6.8278E-10	4.7812E+15	2.9696E+15
I-131	6.8111E+02	5.4939E-06	2.5256E+19	5.2244E+19
I-133	1.2742E-01	1.1248E-10	5.0932E+14	1.6748E+19
I-135	2.4186E-11	6.8870E-21	3.0722E+04	5.0094E+18
Xe-133	7.2110E+04	3.8524E-04	1.7443E+21	7.9810E+21
Xe-135	7.1663E-06	2.8062E-15	1.2518E+10	2.5904E+20
Cs-134	9.5941E+00	7.4152E-06	3.3325E+19	4.0128E+17
Cs-136	1.3583E+00	1.8533E-08	8.2065E+16	8.1246E+16
Cs-137	4.7665E+00	5.4799E-05	2.4088E+20	1.9825E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 312.0000	Atmosphere	Sump	
Noble gases (atoms)	4.9966E+23	0.0000E+00	
Elemental I (atoms)	2.4499E+19	0.0000E+00	
Organic I (atoms)	7.5769E+17	0.0000E+00	
Aerosols (kg)	6.2234E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			4.3734E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			4.3735E-07
Total I (Ci)			6.8123E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 312.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 312.0000	Pathway	Transported
Noble gases (atoms)	Filtered	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

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Environment Integral Nuclide Release:

Time (h) = 312.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9662E+04	1.0472E-06	7.2485E+18	1.0975E+15
Kr-88	4.3505E+04	3.4695E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5079E+02	9.2111E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3570E+03	5.0867E-08	2.2860E+17	5.0207E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

Time (h) = 312.0000	Total Release	Release Rate/s
Noble gases (atoms)	1.7251E+23	1.5359E+17
Elemental I (atoms)	3.2971E+19	2.9354E+13
Organic I (atoms)	1.0197E+18	9.0787E+11
Aerosols (kg)	2.1095E-05	1.8781E-11
Dose Effective (Ci) I-131 (Thyroid)		9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		1.2414E+03
Total I (Ci)		5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 312.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 312.0000	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.3553E+19
Elemental I (atoms)	0.0000E+00	2.4394E+15
Organic I (atoms)	0.0000E+00	7.5447E+13
Aerosols (kg)	0.0000E+00	1.6585E-09

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 312.0000	Pathway Filtered	Transported
Noble gases (atoms)	1.3503E+19	0.0000E+00
Elemental I (atoms)	2.4073E+15	0.0000E+00
Organic I (atoms)	7.4452E+13	0.0000E+00
Aerosols (kg)	1.6526E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 312.0000	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19

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Organic I (atoms) 0.0000E+00 1.1427E+18
 Aerosols (kg) 0.0000E+00 2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 312.0000

	Ci	kg	Atoms	Decay
Kr-85	2.0839E+02	5.3114E-04	3.7631E+21	8.6704E+18
Kr-85m	3.0950E+03	3.7609E-03	2.6645E+22	1.2894E+20
Rb-86	3.3929E-03	4.1699E-11	2.9199E+14	1.8127E+14
I-131	4.1596E+01	3.3552E-07	1.5424E+18	3.1886E+18
I-133	7.7819E-03	6.8695E-12	3.1105E+13	1.0195E+18
Xe-133	4.4039E+03	2.3527E-05	1.0653E+20	4.8703E+20
Xe-135	4.3766E-07	1.7138E-16	7.6449E+08	1.5730E+19
Cs-134	5.8592E-01	4.5286E-07	2.0352E+18	2.4497E+18
Cs-136	8.2954E-02	1.1318E-09	5.0119E+15	4.9592E+15
Cs-137	2.9110E-01	3.3467E-06	1.4711E+19	1.2103E+16

MVP Holdup Transport Group Inventory:

Time (h) = 312.0000

	Atmosphere	Sump
Noble gases (atoms)	3.0515E+22	0.0000E+00
Elemental I (atoms)	1.4962E+18	0.0000E+00
Organic I (atoms)	4.6273E+16	0.0000E+00
Aerosols (kg)	3.8007E-06	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		4.6635E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		4.6636E-07
Total I (Ci)		4.1604E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 312.0000

	Pathway	Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18
Aerosols (kg)		0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 312.0000

	Pathway	Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9217E+23
Elemental I (atoms)		0.0000E+00	3.6947E+19
Organic I (atoms)		0.0000E+00	1.1427E+18
Aerosols (kg)		0.0000E+00	2.3498E-05

Detailed model information at time (H) = 336.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 336.0000

	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.3690E-23	1.2185E-21	5.1802E-23
Accumulated dose (rem)	1.9214E+00	2.7399E+01	2.7912E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 336.0000

	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.1829E-24	1.0528E-22	4.4760E-24
Accumulated dose (rem)	8.4492E-01	1.1721E+01	1.2172E+00

Control Room Doses:

Time (h) = 336.0000

	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.7826E-25	1.0400E-21	3.2908E-23

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Accumulated dose (rem) 2.6668E-02 1.3772E+01 4.5996E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 336.0000	Ci	kg	Atoms	Decay
Kr-85	3.4115E+03	8.6955E-03	6.1606E+22	1.5293E+20
Kr-85m	5.0660E+04	6.1559E-02	4.3613E+23	2.2741E+21
Rb-86	5.3530E-02	6.5788E-10	4.6068E+15	3.1439E+15
I-131	6.2485E+02	5.0401E-06	2.3170E+19	5.4330E+19
I-133	5.7267E-02	5.0553E-11	2.2890E+14	1.6748E+19
Xe-133	6.3183E+04	3.3755E-04	1.5284E+21	8.1970E+21
Xe-135	1.1495E-06	4.5011E-16	2.0079E+09	2.5904E+20
Cs-134	9.5852E+00	7.4084E-06	3.3294E+19	4.3193E+17
Cs-136	1.2883E+00	1.7578E-08	7.7836E+16	8.5475E+16
Cs-137	4.7662E+00	5.4796E-05	2.4087E+20	2.1349E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 336.0000	Atmosphere	Sump
Noble gases (atoms)	4.9927E+23	0.0000E+00
Elemental I (atoms)	2.2475E+19	0.0000E+00
Organic I (atoms)	6.9510E+17	0.0000E+00
Aerosols (kg)	6.2222E-05	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		4.0121E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		4.0121E-07
Total I (Ci)		6.2490E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 336.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 336.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 336.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9662E+04	1.0472E-06	7.2485E+18	1.0975E+15
Kr-88	4.3505E+04	3.4695E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5079E+02	9.2111E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3570E+03	5.0867E-08	2.2860E+17	5.0207E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

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	Total Release	Release Rate/s	
Time (h) = 336.0000			
Noble gases (atoms)	1.7251E+23	1.4262E+17	
Elemental I (atoms)	3.2971E+19	2.7258E+13	
Organic I (atoms)	1.0197E+18	8.4302E+11	
Aerosols (kg)	2.1095E-05	1.7440E-11	
Dose Effective (Ci) I-131 (Thyroid)			9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2414E+03
Total I (Ci)			5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 336.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

Normal Environment to Control Room Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 336.0000		
Noble gases (atoms)	0.0000E+00	1.3553E+19
Elemental I (atoms)	0.0000E+00	2.4394E+15
Organic I (atoms)	0.0000E+00	7.5447E+13
Aerosols (kg)	0.0000E+00	1.6585E-09

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 336.0000		
Noble gases (atoms)	1.3503E+19	0.0000E+00
Elemental I (atoms)	2.4073E+15	0.0000E+00
Organic I (atoms)	7.4452E+13	0.0000E+00
Aerosols (kg)	1.6526E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 336.0000		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 336.0000	Ci	kg	Atoms	Decay
Kr-85	2.0835E+02	5.3105E-04	3.7624E+21	9.3365E+18
Kr-85m	3.0939E+03	3.7595E-03	2.6635E+22	1.3883E+20
Rb-86	3.2692E-03	4.0178E-11	2.8135E+14	1.9191E+14
I-131	3.8160E+01	3.0781E-07	1.4150E+18	3.3160E+18
I-133	3.4974E-03	3.0873E-12	1.3979E+13	1.0195E+18
Xe-133	3.8587E+03	2.0615E-05	9.3342E+19	5.0022E+20
Xe-135	7.0200E-08	2.7489E-17	1.2262E+08	1.5730E+19
Cs-134	5.8539E-01	4.5244E-07	2.0333E+18	2.6369E+16
Cs-136	7.8679E-02	1.0735E-09	4.7536E+15	5.2174E+15
Cs-137	2.9108E-01	3.3465E-06	1.4710E+19	1.3034E+16

MVP Holdup Transport Group Inventory:

Time (h) = 336.0000	Atmosphere	Sump
Noble gases (atoms)	3.0491E+22	0.0000E+00

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Elemental I (atoms)	1.3726E+18	0.0000E+00	
Organic I (atoms)	4.2451E+16	0.0000E+00	
Aerosols (kg)	3.8000E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			4.2782E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			4.2783E-07
Total I (Ci)			3.8164E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 336.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 336.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 360.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 360.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.3299E-23	1.1179E-21	4.8347E-23
Accumulated dose (rem)	1.9214E+00	2.7399E+01	2.7912E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 360.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.1491E-24	9.6592E-23	4.1775E-24
Accumulated dose (rem)	8.4492E-01	1.1721E+01	1.2172E+00

Control Room Doses:

Time (h) = 360.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.6746E-25	9.5414E-22	3.0282E-23
Accumulated dose (rem)	2.6668E-02	1.3772E+01	4.5996E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 360.0000	Ci	kg	Atoms	Decay
Kr-85	3.4109E+03	8.6940E-03	6.1595E+22	1.6384E+20
Kr-85m	5.0641E+04	6.1536E-02	4.3597E+23	2.4360E+21
Rb-86	5.1578E-02	6.3389E-10	4.4388E+15	3.3119E+15
I-131	5.7323E+02	4.6238E-06	2.1256E+19	5.6244E+19
I-133	2.5737E-02	2.2720E-11	1.0287E+14	1.6748E+19
Xe-133	5.5361E+04	2.9576E-04	1.3392E+21	8.3862E+21
Xe-135	1.8437E-07	7.2198E-17	3.2206E+08	2.5904E+20
Cs-134	9.5764E+00	7.4016E-06	3.3264E+19	4.6256E+17
Cs-136	1.2219E+00	1.6672E-08	7.3825E+16	8.9487E+16
Cs-137	4.7659E+00	5.4792E-05	2.4085E+20	2.2873E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 360.0000	Atmosphere	Sump
Noble gases (atoms)	4.9891E+23	0.0000E+00
Elemental I (atoms)	2.0618E+19	0.0000E+00

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Organic I (atoms)	6.3768E+17	0.0000E+00	
Aerosols (kg)	6.2211E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			3.6807E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			3.6807E-07
Total I (Ci)			5.7326E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 360.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 360.0000		
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 360.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9662E+04	1.0472E-06	7.2485E+18	1.0975E+15
Kr-88	4.3505E+04	3.4695E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5079E+02	9.2111E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3570E+03	5.0867E-08	2.2860E+17	5.0207E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

	Total Release	Release Rate/s
Time (h) = 360.0000		
Noble gases (atoms)	1.7251E+23	1.3311E+17
Elemental I (atoms)	3.2971E+19	2.5440E+13
Organic I (atoms)	1.0197E+18	7.8682E+11
Aerosols (kg)	2.1095E-05	1.6277E-11
Dose Effective (Ci) I-131 (Thyroid)		9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		1.2414E+03
Total I (Ci)		5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 360.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

Normal Environment to Control Room Transport Group Inventory:

CRDA GAP MVP TRIP 10 MIN.o0

	Pathway	
Time (h) = 360.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.3553E+19
Elemental I (atoms)	0.0000E+00	2.4394E+15
Organic I (atoms)	0.0000E+00	7.5447E+13
Aerosols (kg)	0.0000E+00	1.6585E-09

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway	
Time (h) = 360.0000	Filtered	Transported
Noble gases (atoms)	1.3503E+19	0.0000E+00
Elemental I (atoms)	2.4073E+15	0.0000E+00
Organic I (atoms)	7.4452E+13	0.0000E+00
Aerosols (kg)	1.6526E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 360.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 360.0000	Ci	kg	Atoms	Decay
Kr-85	2.0831E+02	5.3095E-04	3.7617E+21	1.0002E+19
Kr-85m	3.0927E+03	3.7581E-03	2.6626E+22	1.4872E+20
Rb-86	3.1500E-03	3.8713E-11	2.7109E+14	2.0217E+14
I-131	3.5008E+01	2.8238E-07	1.2981E+18	3.4329E+18
I-133	1.5718E-03	1.3875E-12	6.2826E+12	1.0195E+18
Xe-133	3.3810E+03	1.8063E-05	8.1787E+19	5.1177E+20
Xe-135	1.1260E-08	4.4092E-18	1.9669E+07	1.5730E+19
Cs-134	5.8485E-01	4.5203E-07	2.0315E+18	2.8240E+16
Cs-136	7.4624E-02	1.0182E-09	4.5086E+15	5.4624E+15
Cs-137	2.9106E-01	3.3463E-06	1.4709E+19	1.3964E+16

MVP Holdup Transport Group Inventory:

Time (h) = 360.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0469E+22	0.0000E+00	
Elemental I (atoms)	1.2592E+18	0.0000E+00	
Organic I (atoms)	3.8944E+16	0.0000E+00	
Aerosols (kg)	3.7993E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			3.9248E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			3.9248E-07
Total I (Ci)			3.5010E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 360.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 360.0000	Filtered	Transported

CRDA GAP MVP TRIP 10 MIN.o0

Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 384.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 384.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.2955E-23	1.0256E-21	4.5193E-23
Accumulated dose (rem)	1.9214E+00	2.7399E+01	2.7912E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 384.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.1194E-24	8.8620E-23	3.9050E-24
Accumulated dose (rem)	8.4492E-01	1.1721E+01	1.2172E+00

Control Room Doses:

Time (h) = 384.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.5796E-25	8.7539E-22	2.7874E-23
Accumulated dose (rem)	2.6668E-02	1.3772E+01	4.5996E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 384.0000	Ci	kg	Atoms	Decay
Kr-85	3.4103E+03	8.6924E-03	6.1585E+22	1.7474E+20
Kr-85m	5.0622E+04	6.1513E-02	4.3581E+23	2.5979E+21
Rb-86	4.9697E-02	6.1078E-10	4.2770E+15	3.4737E+15
I-131	5.2588E+02	4.2419E-06	1.9500E+19	5.8000E+19
I-133	1.1567E-02	1.0211E-11	4.6234E+13	1.6748E+19
Xe-133	4.8508E+04	2.5915E-04	1.1734E+21	8.5520E+21
Xe-135	2.9573E-08	1.1580E-17	5.1659E+07	2.5904E+20
Cs-134	9.5676E+00	7.3948E-06	3.3233E+19	4.9316E+17
Cs-136	1.1589E+00	1.5813E-08	7.0020E+16	9.3291E+16
Cs-137	4.7656E+00	5.4789E-05	2.4084E+20	2.4396E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 384.0000	Atmosphere	Sump
Noble gases (atoms)	4.9857E+23	0.0000E+00
Elemental I (atoms)	1.8915E+19	0.0000E+00
Organic I (atoms)	5.8500E+17	0.0000E+00
Aerosols (kg)	6.2200E-05	0.0000E+00
Dose Effective (Ci/cc)	I-131 (Thyroid)	3.3766E-07
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)	3.3766E-07
Total I (Ci)		5.2590E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 384.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 384.0000	Pathway
	Filtered Transported
Noble gases (atoms)	0.0000E+00 1.9857E+23
Elemental I (atoms)	0.0000E+00 3.8180E+19

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Organic I (atoms) 0.0000E+00 1.1808E+18
 Aerosols (kg) 0.0000E+00 2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 384.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9662E+04	1.0472E-06	7.2485E+18	1.0975E+15
Kr-88	4.3505E+04	3.4695E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5079E+02	9.2111E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3570E+03	5.0867E-08	2.2860E+17	5.0207E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

Time (h) = 384.0000	Total Release	Release Rate/s	
Noble gases (atoms)	1.7251E+23	1.2479E+17	
Elemental I (atoms)	3.2971E+19	2.3850E+13	
Organic I (atoms)	1.0197E+18	7.3764E+11	
Aerosols (kg)	2.1095E-05	1.5260E-11	
Dose Effective (Ci) I-131 (Thyroid)			9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2414E+03
Total I (Ci)			5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 384.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 384.0000	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.3553E+19
Elemental I (atoms)	0.0000E+00	2.4394E+15
Organic I (atoms)	0.0000E+00	7.5447E+13
Aerosols (kg)	0.0000E+00	1.6585E-09

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 384.0000	Pathway Filtered	Transported
Noble gases (atoms)	1.3503E+19	0.0000E+00
Elemental I (atoms)	2.4073E+15	0.0000E+00
Organic I (atoms)	7.4452E+13	0.0000E+00
Aerosols (kg)	1.6526E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Pathway

CRDA GAP MVP TRIP 10 MIN.00

	Filtered	Transported
Time (h) = 384.0000		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 384.0000	Ci	kg	Atoms	Decay
Kr-85	2.0827E+02	5.3086E-04	3.7611E+21	1.0668E+19
Kr-85m	3.0916E+03	3.7567E-03	2.6616E+22	1.5860E+20
Rb-86	3.0351E-03	3.7301E-11	2.6120E+14	2.1206E+14
I-131	3.2117E+01	2.5906E-07	1.1909E+18	3.5401E+18
I-133	7.0641E-04	6.2359E-13	2.8236E+12	1.0195E+18
Xe-133	2.9625E+03	1.5827E-05	7.1662E+19	5.2190E+20
Xe-135	1.8061E-09	7.0724E-19	3.1549E+06	1.5730E+19
Cs-134	5.8431E-01	4.5161E-07	2.0296E+18	3.0109E+16
Cs-136	7.0778E-02	9.6572E-10	4.2762E+15	5.6948E+15
Cs-137	2.9104E-01	3.3460E-06	1.4708E+19	1.4894E+16

MVP Holdup Transport Group Inventory:

Time (h) = 384.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0448E+22	0.0000E+00	
Elemental I (atoms)	1.1552E+18	0.0000E+00	
Organic I (atoms)	3.5727E+16	0.0000E+00	
Aerosols (kg)	3.7987E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			3.6006E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			3.6006E-07
Total I (Ci)			3.2117E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 384.0000	Pathway	Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18
Aerosols (kg)		0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 384.0000	Pathway	Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9217E+23
Elemental I (atoms)		0.0000E+00	3.6947E+19
Organic I (atoms)		0.0000E+00	1.1427E+18
Aerosols (kg)		0.0000E+00	2.3498E-05

Detailed model information at time (H) = 408.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 408.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.2652E-23	9.4097E-22	4.2312E-23
Accumulated dose (rem)	1.9214E+00	2.7399E+01	2.7912E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 408.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.0932E-24	8.1306E-23	3.6560E-24
Accumulated dose (rem)	8.4492E-01	1.1721E+01	1.2172E+00

Control Room Doses:

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Time (h) = 408.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.4959E-25	8.0315E-22	2.5665E-23
Accumulated dose (rem)	2.6668E-02	1.3772E+01	4.5996E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 408.0000	Ci	kg	Atoms	Decay
Kr-85	3.4097E+03	8.6909E-03	6.1574E+22	1.8564E+20
Kr-85m	5.0603E+04	6.1490E-02	4.3565E+23	2.7597E+21
Rb-86	4.7885E-02	5.8851E-10	4.1210E+15	3.6297E+15
I-131	4.8245E+02	3.8915E-06	1.7889E+19	5.9610E+19
I-133	5.1985E-03	4.5890E-12	2.0779E+13	1.6748E+19
Xe-133	4.2503E+04	2.2707E-04	1.0281E+21	8.6972E+21
Xe-135	4.7435E-09	1.8575E-18	8.2860E+06	2.5904E+20
Cs-134	9.5588E+00	7.3880E-06	3.3203E+19	5.2373E+17
Cs-136	1.0992E+00	1.4998E-08	6.6411E+16	9.6900E+16
Cs-137	4.7653E+00	5.4785E-05	2.4082E+20	2.5920E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 408.0000	Atmosphere	Sump	
Noble gases (atoms)	4.9825E+23	0.0000E+00	
Elemental I (atoms)	1.7353E+19	0.0000E+00	
Organic I (atoms)	5.3668E+17	0.0000E+00	
Aerosols (kg)	6.2189E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			3.0977E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			3.0977E-07
Total I (Ci)			4.8245E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 408.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 408.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 408.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9662E+04	1.0472E-06	7.2485E+18	1.0975E+15
Kr-88	4.3505E+04	3.4695E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5079E+02	9.2111E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3570E+03	5.0867E-08	2.2860E+17	5.0207E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10

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Cs-137 1.6131E+00 1.8545E-05 8.1518E+19 5.9683E+10

Environment Transport Group Inventory:

	Total Release	Release Rate/s	
Time (h) = 408.0000			
Noble gases (atoms)	1.7251E+23	1.1745E+17	
Elemental I (atoms)	3.2971E+19	2.2447E+13	
Organic I (atoms)	1.0197E+18	6.9425E+11	
Aerosols (kg)	2.1095E-05	1.4362E-11	
Dose Effective (Ci) I-131 (Thyroid)			9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2414E+03
Total I (Ci)			5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 408.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

Normal Environment to Control Room Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 408.0000		
Noble gases (atoms)	0.0000E+00	1.3553E+19
Elemental I (atoms)	0.0000E+00	2.4394E+15
Organic I (atoms)	0.0000E+00	7.5447E+13
Aerosols (kg)	0.0000E+00	1.6585E-09

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 408.0000		
Noble gases (atoms)	1.3503E+19	0.0000E+00
Elemental I (atoms)	2.4073E+15	0.0000E+00
Organic I (atoms)	7.4452E+13	0.0000E+00
Aerosols (kg)	1.6526E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 408.0000		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 408.0000	Ci	kg	Atoms	Decay
Kr-85	2.0824E+02	5.3077E-04	3.7604E+21	1.1334E+19
Kr-85m	3.0904E+03	3.7553E-03	2.6606E+22	1.6849E+20
Rb-86	2.9244E-03	3.5941E-11	2.5168E+14	2.2158E+14
I-131	2.9464E+01	2.3766E-07	1.0925E+18	3.6385E+18
I-133	3.1748E-04	2.8026E-13	1.2690E+12	1.0195E+18
Xe-133	2.5957E+03	1.3867E-05	6.2791E+19	5.3077E+20
Xe-135	2.8969E-10	1.1344E-19	5.0604E+05	1.5730E+19
Cs-134	5.8377E-01	4.5120E-07	2.0277E+18	3.1976E+16
Cs-136	6.7131E-02	9.1595E-10	4.0558E+15	5.9152E+15
Cs-137	2.9103E-01	3.3458E-06	1.4707E+19	1.5825E+16

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MVP Holdup Transport Group Inventory:

Time (h) = 408.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0429E+22	0.0000E+00	
Elemental I (atoms)	1.0598E+18	0.0000E+00	
Organic I (atoms)	3.2776E+16	0.0000E+00	
Aerosols (kg)	3.7980E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		3.3032E-07
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		3.3032E-07
Total I (Ci)			2.9464E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 408.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 408.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 432.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 432.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	1.2385E-23	8.6332E-22	3.9679E-23
Accumulated dose (rem)	1.9214E+00	2.7399E+01	2.7912E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 432.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	1.0702E-24	7.4596E-23	3.4285E-24
Accumulated dose (rem)	8.4492E-01	1.1721E+01	1.2172E+00

Control Room Doses:

Time (h) = 432.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	3.4222E-25	7.3687E-22	2.3638E-23
Accumulated dose (rem)	2.6668E-02	1.3772E+01	4.5996E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 432.0000	Ci	kg	Atoms	Decay
Kr-85	3.4091E+03	8.6893E-03	6.1563E+22	1.9654E+20
Kr-85m	5.0585E+04	6.1467E-02	4.3549E+23	2.9214E+21
Rb-86	4.6139E-02	5.6705E-10	3.9707E+15	3.7800E+15
I-131	4.4260E+02	3.5700E-06	1.6412E+19	6.1088E+19
I-133	2.3363E-03	2.0624E-12	9.3385E+12	1.6748E+19
Xe-133	3.7241E+04	1.9896E-04	9.0087E+20	8.8245E+21
Xe-135	7.6086E-10	2.9794E-19	1.3291E+06	2.5904E+20
Cs-134	9.5500E+00	7.3812E-06	3.3172E+19	5.5428E+17
Cs-136	1.0426E+00	1.4225E-08	6.2989E+16	1.0032E+17
Cs-137	4.7650E+00	5.4782E-05	2.4081E+20	2.7443E+17

DAEC Condenser - CRDA Transport Group Inventory:

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Time (h) = 432.0000	Atmosphere	Sump	
Noble gases (atoms)	4.9795E+23	0.0000E+00	
Elemental I (atoms)	1.5919E+19	0.0000E+00	
Organic I (atoms)	4.9235E+17	0.0000E+00	
Aerosols (kg)	6.2178E-05	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		2.8418E-07
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.8418E-07
Total I (Ci)			4.4260E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 432.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 432.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 432.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9662E+04	1.0472E-06	7.2485E+18	1.0975E+15
Kr-88	4.3505E+04	3.4695E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5079E+02	9.2111E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3570E+03	5.0867E-08	2.2860E+17	5.0207E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

	Total	Release	
Time (h) = 432.0000	Release	Rate/s	
Noble gases (atoms)	1.7251E+23	1.1092E+17	
Elemental I (atoms)	3.2971E+19	2.1200E+13	
Organic I (atoms)	1.0197E+18	6.5568E+11	
Aerosols (kg)	2.1095E-05	1.3564E-11	
Dose Effective (Ci)	I-131 (Thyroid)		9.8108E+02
Dose Effective (Ci)	I-131 (ICRP2 Thyroid)		1.2414E+03
Total I (Ci)			5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 432.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16

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Aerosols (kg)

6.2256E-07

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 432.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.3553E+19
Elemental I (atoms)	0.0000E+00	2.4394E+15
Organic I (atoms)	0.0000E+00	7.5447E+13
Aerosols (kg)	0.0000E+00	1.6585E-09

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 432.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	1.3503E+19	0.0000E+00
Elemental I (atoms)	2.4073E+15	0.0000E+00
Organic I (atoms)	7.4452E+13	0.0000E+00
Aerosols (kg)	1.6526E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 432.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 432.0000	Ci	kg	Atoms	Decay
Kr-85	2.0820E+02	5.3067E-04	3.7597E+21	1.2000E+19
Kr-85m	3.0893E+03	3.7539E-03	2.6596E+22	1.7836E+20
Rb-86	2.8178E-03	3.4631E-11	2.4250E+14	2.3076E+14
I-131	2.7030E+01	2.1803E-07	1.0023E+18	3.7287E+18
I-133	1.4268E-04	1.2596E-13	5.7031E+11	1.0195E+18
Xe-133	2.2744E+03	1.2151E-05	5.5017E+19	5.3854E+20
Xe-135	4.6467E-11	1.8196E-20	8.1168E+04	1.5730E+19
Cs-134	5.8323E-01	4.5078E-07	2.0259E+18	3.3841E+16
Cs-136	6.3671E-02	8.6874E-10	3.8468E+15	6.1242E+15
Cs-137	2.9101E-01	3.3456E-06	1.4706E+19	1.6755E+16

MVP Holdup Transport Group Inventory:

Time (h) = 432.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0411E+22	0.0000E+00	
Elemental I (atoms)	9.7222E+17	0.0000E+00	
Organic I (atoms)	3.0069E+16	0.0000E+00	
Aerosols (kg)	3.7973E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			3.0303E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			3.0303E-07
Total I (Ci)			2.7030E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 432.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

CRDA GAP MVP TRIP 10 MIN.o0

	Pathway	
Time (h) = 432.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 456.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 456.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.2150E-23	7.9208E-22	3.7274E-23
Accumulated dose (rem)	1.9214E+00	2.7399E+01	2.7912E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 456.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.0499E-24	6.8441E-23	3.2207E-24
Accumulated dose (rem)	8.4492E-01	1.1721E+01	1.2172E+00

Control Room Doses:

Time (h) = 456.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.3572E-25	6.7607E-22	2.1779E-23
Accumulated dose (rem)	2.6668E-02	1.3772E+01	4.5996E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 456.0000	Ci	kg	Atoms	Decay
Kr-85	3.4085E+03	8.6878E-03	6.1552E+22	2.0744E+20
Kr-85m	5.0566E+04	6.1444E-02	4.3533E+23	3.0831E+21
Rb-86	4.4457E-02	5.4637E-10	3.8259E+15	3.9248E+15
I-131	4.0604E+02	3.2752E-06	1.5056E+19	6.2444E+19
I-133	1.0500E-03	9.2690E-13	4.1969E+12	1.6748E+19
Xe-133	3.2631E+04	1.7433E-04	7.8935E+20	8.9360E+21
Xe-135	1.2204E-10	4.7789E-20	2.1318E+05	2.5904E+20
Cs-134	9.5412E+00	7.3744E-06	3.3142E+19	5.8479E+17
Cs-136	9.8883E-01	1.3492E-08	5.9742E+16	1.0357E+17
Cs-137	4.7647E+00	5.4778E-05	2.4079E+20	2.8966E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 456.0000	Atmosphere	Sump	
Noble gases (atoms)	4.9767E+23	0.0000E+00	
Elemental I (atoms)	1.4604E+19	0.0000E+00	
Organic I (atoms)	4.5168E+17	0.0000E+00	
Aerosols (kg)	6.2167E-05	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		2.6071E-07
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.6071E-07
Total I (Ci)			4.0604E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 456.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Pathway

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Time (h) = 456.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 456.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9662E+04	1.0472E-06	7.2485E+18	1.0975E+15
Kr-88	4.3505E+04	3.4695E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5079E+02	9.2111E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3570E+03	5.0867E-08	2.2860E+17	5.0207E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

Time (h) = 456.0000	Total Release	Release Rate/s	
Noble gases (atoms)	1.7251E+23	1.0509E+17	
Elemental I (atoms)	3.2971E+19	2.0085E+13	
Organic I (atoms)	1.0197E+18	6.2117E+11	
Aerosols (kg)	2.1095E-05	1.2850E-11	
Dose Effective (Ci) I-131 (Thyroid)			9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2414E+03
Total I (Ci)			5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 456.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 456.0000	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.3553E+19
Elemental I (atoms)	0.0000E+00	2.4394E+15
Organic I (atoms)	0.0000E+00	7.5447E+13
Aerosols (kg)	0.0000E+00	1.6585E-09

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 456.0000	Pathway Filtered	Transported
Noble gases (atoms)	1.3503E+19	0.0000E+00
Elemental I (atoms)	2.4073E+15	0.0000E+00
Organic I (atoms)	7.4452E+13	0.0000E+00
Aerosols (kg)	1.6526E-09	0.0000E+00

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MVP Holdup to Environment Transport Group Inventory:

Time (h) = 456.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 456.0000	Ci	kg	Atoms	Decay
Kr-85	2.0816E+02	5.3058E-04	3.7591E+21	1.2665E+19
Kr-85m	3.0881E+03	3.7525E-03	2.6586E+22	1.8824E+20
Rb-86	2.7150E-03	3.3368E-11	2.3366E+14	2.3960E+14
I-131	2.4797E+01	2.0002E-07	9.1950E+17	3.8115E+18
I-133	6.4125E-05	5.6607E-14	2.5631E+11	1.0195E+18
Xe-133	1.9928E+03	1.0647E-05	4.8207E+19	5.4535E+20
Xe-135	7.4532E-12	2.9186E-21	1.3019E+04	1.5730E+19
Cs-134	5.8270E-01	4.5037E-07	2.0240E+18	3.5705E+16
Cs-136	6.0390E-02	8.2397E-10	3.6486E+15	6.3224E+15
Cs-137	2.9099E-01	3.3454E-06	1.4705E+19	1.7685E+16

MVP Holdup Transport Group Inventory:

Time (h) = 456.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0393E+22	0.0000E+00	
Elemental I (atoms)	8.9191E+17	0.0000E+00	
Organic I (atoms)	2.7585E+16	0.0000E+00	
Aerosols (kg)	3.7966E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			2.7800E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.7800E-07
Total I (Ci)			2.4797E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 456.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 456.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 480.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 480.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	1.1943E-23	7.2673E-22	3.5076E-23
Accumulated dose (rem)	1.9214E+00	2.7399E+01	2.7912E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 480.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	1.0320E-24	6.2794E-23	3.0308E-24

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Accumulated dose (rem) 8.4492E-01 1.1721E+01 1.2172E+00

Control Room Doses:

Time (h) = 480.0000 Whole Body Thyroid TEDE
 Delta dose (rem) 3.2999E-25 6.2029E-22 2.0074E-23
 Accumulated dose (rem) 2.6668E-02 1.3772E+01 4.5996E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 480.0000	Ci	kg	Atoms	Decay
Kr-85	3.4079E+03	8.6863E-03	6.1541E+22	2.1834E+20
Kr-85m	5.0547E+04	6.1422E-02	4.3516E+23	3.2447E+21
Rb-86	4.2836E-02	5.2645E-10	3.6864E+15	4.0643E+15
I-131	3.7250E+02	3.0046E-06	1.3812E+19	6.3687E+19
I-133	4.7190E-04	4.1657E-13	1.8862E+12	1.6748E+19
Xe-133	2.8592E+04	1.5275E-04	6.9163E+20	9.0337E+21
Xe-135	1.9575E-11	7.6653E-21	3.4194E+04	2.5904E+20
Cs-134	9.5324E+00	7.3676E-06	3.3111E+19	6.1528E+17
Cs-136	9.3787E-01	1.2797E-08	5.6664E+16	1.0665E+17
Cs-137	4.7644E+00	5.4775E-05	2.4078E+20	3.0489E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 480.0000	Atmosphere	Sump
Noble gases (atoms)	4.9740E+23	0.0000E+00
Elemental I (atoms)	1.3398E+19	0.0000E+00
Organic I (atoms)	4.1437E+17	0.0000E+00
Aerosols (kg)	6.2156E-05	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		2.3918E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		2.3918E-07
Total I (Ci)		3.7250E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 480.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 480.0000	Pathway
	Filtered Transported
Noble gases (atoms)	0.0000E+00 1.9857E+23
Elemental I (atoms)	0.0000E+00 3.8180E+19
Organic I (atoms)	0.0000E+00 1.1808E+18
Aerosols (kg)	0.0000E+00 2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 480.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9662E+04	1.0472E-06	7.2485E+18	1.0975E+15
Kr-88	4.3505E+04	3.4695E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5079E+02	9.2111E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3570E+03	5.0867E-08	2.2860E+17	5.0207E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15

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Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

	Total	Release	
Time (h) = 480.0000	Release	Rate/s	
Noble gases (atoms)	1.7251E+23	9.9832E+16	
Elemental I (atoms)	3.2971E+19	1.9080E+13	
Organic I (atoms)	1.0197E+18	5.9011E+11	
Aerosols (kg)	2.1095E-05	1.2208E-11	
Dose Effective (Ci) I-131 (Thyroid)			9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2414E+03
Total I (Ci)			5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 480.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

Normal Environment to Control Room Transport Group Inventory:

	Pathway	
Time (h) = 480.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.3553E+19
Elemental I (atoms)	0.0000E+00	2.4394E+15
Organic I (atoms)	0.0000E+00	7.5447E+13
Aerosols (kg)	0.0000E+00	1.6585E-09

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway	
Time (h) = 480.0000	Filtered	Transported
Noble gases (atoms)	1.3503E+19	0.0000E+00
Elemental I (atoms)	2.4073E+15	0.0000E+00
Organic I (atoms)	7.4452E+13	0.0000E+00
Aerosols (kg)	1.6526E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 480.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 480.0000	Ci	kg	Atoms	Decay
Kr-85	2.0813E+02	5.3048E-04	3.7584E+21	1.3331E+19
Kr-85m	3.0870E+03	3.7511E-03	2.6576E+22	1.9811E+20
Rb-86	2.6160E-03	3.2151E-11	2.2514E+14	2.4812E+14
I-131	2.2749E+01	1.8350E-07	8.4355E+17	3.8875E+18
I-133	2.8820E-05	2.5441E-14	1.1519E+11	1.0195E+18
Xe-133	1.7461E+03	9.3286E-06	4.2239E+19	5.5132E+20
Cs-134	5.8216E-01	4.4995E-07	2.0221E+18	3.7566E+16
Cs-136	5.7277E-02	7.8151E-10	3.4605E+15	6.5105E+15

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Cs-137 2.9097E-01 3.3452E-06 1.4705E+19 1.8616E+16

MVP Holdup Transport Group Inventory:

Time (h) = 480.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0377E+22	0.0000E+00	
Elemental I (atoms)	8.1824E+17	0.0000E+00	
Organic I (atoms)	2.5306E+16	0.0000E+00	
Aerosols (kg)	3.7960E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			2.5504E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.5504E-07
Total I (Ci)			2.2749E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 480.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 480.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 504.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 504.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.1760E-23	6.6678E-22	3.3066E-23
Accumulated dose (rem)	1.9214E+00	2.7399E+01	2.7912E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 504.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.0162E-24	5.7614E-23	2.8571E-24
Accumulated dose (rem)	8.4492E-01	1.1721E+01	1.2172E+00

Control Room Doses:

Time (h) = 504.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.2494E-25	5.6912E-22	1.8510E-23
Accumulated dose (rem)	2.6668E-02	1.3772E+01	4.5996E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 504.0000	Ci	kg	Atoms	Decay
Kr-85	3.4073E+03	8.6847E-03	6.1530E+22	2.2923E+20
Kr-85m	5.0528E+04	6.1399E-02	4.3500E+23	3.4063E+21
Rb-86	4.1274E-02	5.0725E-10	3.5520E+15	4.1987E+15
I-131	3.4173E+02	2.7564E-06	1.2671E+19	6.4828E+19
I-133	2.1208E-04	1.8722E-13	8.4771E+11	1.6748E+19
Xe-133	2.5052E+04	1.3384E-04	6.0601E+20	9.1193E+21
Cs-134	9.5237E+00	7.3608E-06	3.3081E+19	6.4574E+17
Cs-136	8.8954E-01	1.2137E-08	5.3743E+16	1.0957E+17
Cs-137	4.7641E+00	5.4771E-05	2.4076E+20	3.2012E+17

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DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 504.0000	Atmosphere	Sump	
Noble gases (atoms)	4.9714E+23	0.0000E+00	
Elemental I (atoms)	1.2291E+19	0.0000E+00	
Organic I (atoms)	3.8014E+17	0.0000E+00	
Aerosols (kg)	6.2145E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			2.1942E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.1942E-07
Total I (Ci)			3.4173E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 504.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 504.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 504.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9662E+04	1.0472E-06	7.2485E+18	1.0975E+15
Kr-88	4.3505E+04	3.4695E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5079E+02	9.2111E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3570E+03	5.0867E-08	2.2860E+17	5.0207E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

	Total	Release	
Time (h) = 504.0000	Release	Rate/s	
Noble gases (atoms)	1.7251E+23	9.5078E+16	
Elemental I (atoms)	3.2971E+19	1.8172E+13	
Organic I (atoms)	1.0197E+18	5.6201E+11	
Aerosols (kg)	2.1095E-05	1.1626E-11	
Dose Effective (Ci) I-131 (Thyroid)			9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2414E+03
Total I (Ci)			5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 504.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17

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Organic I (atoms) 2.6302E+16
 Aerosols (kg) 6.2256E-07

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 504.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.3553E+19
Elemental I (atoms)	0.0000E+00	2.4394E+15
Organic I (atoms)	0.0000E+00	7.5447E+13
Aerosols (kg)	0.0000E+00	1.6585E-09

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 504.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	1.3503E+19	0.0000E+00
Elemental I (atoms)	2.4073E+15	0.0000E+00
Organic I (atoms)	7.4452E+13	0.0000E+00
Aerosols (kg)	1.6526E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 504.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 504.0000	Ci	kg	Atoms	Decay
Kr-85	2.0809E+02	5.3039E-04	3.7577E+21	1.3996E+19
Kr-85m	3.0858E+03	3.7497E-03	2.6566E+22	2.0797E+20
Rb-86	2.5206E-03	3.0979E-11	2.1693E+14	2.5633E+14
I-131	2.0870E+01	1.6834E-07	7.7387E+17	3.9571E+18
I-133	1.2952E-05	1.1434E-14	5.1771E+10	1.0195E+18
Xe-133	1.5300E+03	8.1737E-06	3.7010E+19	5.5655E+20
Cs-134	5.8163E-01	4.4954E-07	2.0203E+18	3.9427E+16
Cs-136	5.4325E-02	7.4123E-10	3.2822E+15	6.6888E+15
Cs-137	2.9095E-01	3.3450E-06	1.4704E+19	1.9546E+16

MVP Holdup Transport Group Inventory:

Time (h) = 504.0000	Atmosphere	Sump
Noble gases (atoms)	3.0361E+22	0.0000E+00
Elemental I (atoms)	7.5065E+17	0.0000E+00
Organic I (atoms)	2.3216E+16	0.0000E+00
Aerosols (kg)	3.7953E-06	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		2.3397E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		2.3397E-07
Total I (Ci)		2.0870E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 504.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

CRDA GAP MVP TRIP 10 MIN.o0

	Pathway	
	Filtered	Transported
Time (h) = 504.0000		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 528.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 528.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	1.1599E-23	6.1178E-22	3.1229E-23
Accumulated dose (rem)	1.9214E+00	2.7399E+01	2.7912E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 528.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	1.0022E-24	5.2862E-23	2.6984E-24
Accumulated dose (rem)	8.4492E-01	1.1721E+01	1.2172E+00

Control Room Doses:

Time (h) = 528.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	3.2048E-25	5.2217E-22	1.7075E-23
Accumulated dose (rem)	2.6668E-02	1.3772E+01	4.5996E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 528.0000	Ci	kg	Atoms	Decay
Kr-85	3.4067E+03	8.6832E-03	6.1519E+22	2.4012E+20
Kr-85m	5.0510E+04	6.1376E-02	4.3484E+23	3.5678E+21
Rb-86	3.9769E-02	4.8875E-10	3.4225E+15	4.3282E+15
I-131	3.1350E+02	2.5288E-06	1.1625E+19	6.5875E+19
I-133	9.5316E-05	8.4141E-14	3.8098E+11	1.6748E+19
Xe-133	2.1951E+04	1.1727E-04	5.3099E+20	9.1944E+21
Cs-134	9.5149E+00	7.3541E-06	3.3050E+19	6.7617E+17
Cs-136	8.4369E-01	1.1512E-08	5.0974E+16	1.1234E+17
Cs-137	4.7638E+00	5.4768E-05	2.4074E+20	3.3535E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 528.0000	Atmosphere	Sump	
Noble gases (atoms)	4.9689E+23	0.0000E+00	
Elemental I (atoms)	1.1276E+19	0.0000E+00	
Organic I (atoms)	3.4874E+17	0.0000E+00	
Aerosols (kg)	6.2134E-05	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		2.0129E-07
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.0129E-07
Total I (Ci)			3.1350E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 528.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 528.0000	Pathway	
	Filtered	Transported

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Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 528.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9662E+04	1.0472E-06	7.2485E+18	1.0975E+15
Kr-88	4.3505E+04	3.4695E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5079E+02	9.2111E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3570E+03	5.0867E-08	2.2860E+17	5.0207E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

Time (h) = 528.0000	Total Release	Release Rate/s
Noble gases (atoms)	1.7251E+23	9.0756E+16
Elemental I (atoms)	3.2971E+19	1.7346E+13
Organic I (atoms)	1.0197E+18	5.3647E+11
Aerosols (kg)	2.1095E-05	1.1098E-11
Dose Effective (Ci) I-131 (Thyroid)		9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		1.2414E+03
Total I (Ci)		5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 528.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 528.0000	Pathway	Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.3553E+19
Elemental I (atoms)		0.0000E+00	2.4394E+15
Organic I (atoms)		0.0000E+00	7.5447E+13
Aerosols (kg)		0.0000E+00	1.6585E-09

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 528.0000	Pathway	Filtered	Transported
Noble gases (atoms)		1.3503E+19	0.0000E+00
Elemental I (atoms)		2.4073E+15	0.0000E+00
Organic I (atoms)		7.4452E+13	0.0000E+00
Aerosols (kg)		1.6526E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

CRDA GAP MVP TRIP 10 MIN.o0

	Pathway	
	Filtered	Transported
Time (h) = 528.0000		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 528.0000	Ci	kg	Atoms	Decay
Kr-85	2.0805E+02	5.3030E-04	3.7571E+21	1.4661E+19
Kr-85m	3.0847E+03	3.7483E-03	2.6556E+22	2.1784E+20
Rb-86	2.4287E-03	2.9849E-11	2.0902E+14	2.6424E+14
I-131	1.9146E+01	1.5444E-07	7.0995E+17	4.0211E+18
I-133	5.8211E-06	5.1386E-15	2.3267E+10	1.0195E+18
Xe-133	1.3406E+03	7.1619E-06	3.2428E+19	5.6113E+20
Cs-134	5.8109E-01	4.4913E-07	2.0184E+18	4.1285E+16
Cs-136	5.1526E-02	7.0303E-10	3.1130E+15	6.8580E+15
Cs-137	2.9093E-01	3.3448E-06	1.4703E+19	2.0476E+16

MVP Holdup Transport Group Inventory:

Time (h) = 528.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0346E+22	0.0000E+00	
Elemental I (atoms)	6.8865E+17	0.0000E+00	
Organic I (atoms)	2.1298E+16	0.0000E+00	
Aerosols (kg)	3.7946E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		2.1465E-07
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.1465E-07
Total I (Ci)			1.9146E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 528.0000		
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 528.0000		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 552.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 552.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.1456E-23	5.6132E-22	2.9549E-23
Accumulated dose (rem)	1.9214E+00	2.7399E+01	2.7912E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 552.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	9.8990E-25	4.8502E-23	2.5532E-24
Accumulated dose (rem)	8.4492E-01	1.1721E+01	1.2172E+00

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Control Room Doses:

Time (h) = 552.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.1655E-25	4.7910E-22	1.5759E-23
Accumulated dose (rem)	2.6668E-02	1.3772E+01	4.5996E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 552.0000	Ci	kg	Atoms	Decay
Kr-85	3.4061E+03	8.6816E-03	6.1508E+22	2.5101E+20
Kr-85m	5.0491E+04	6.1353E-02	4.3468E+23	3.7292E+21
Rb-86	3.8318E-02	4.7093E-10	3.2977E+15	4.4530E+15
I-131	2.8761E+02	2.3199E-06	1.0665E+19	6.6835E+19
I-133	4.2837E-05	3.7815E-14	1.7122E+11	1.6748E+19
Xe-133	1.9233E+04	1.0275E-04	4.6526E+20	9.2601E+21
Cs-134	9.5062E+00	7.3473E-06	3.3020E+19	7.0657E+17
Cs-136	8.0021E-01	1.0918E-08	4.8347E+16	1.1496E+17
Cs-137	4.7635E+00	5.4764E-05	2.4073E+20	3.5058E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 552.0000	Atmosphere	Sump	
Noble gases (atoms)	4.9665E+23	0.0000E+00	
Elemental I (atoms)	1.0345E+19	0.0000E+00	
Organic I (atoms)	3.1994E+17	0.0000E+00	
Aerosols (kg)	6.2123E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.8467E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			1.8467E-07
Total I (Ci)			2.8761E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 552.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 552.0000	Pathway	Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18
Aerosols (kg)		0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 552.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9662E+04	1.0472E-06	7.2485E+18	1.0975E+15
Kr-88	4.3505E+04	3.4695E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5079E+02	9.2111E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3570E+03	5.0867E-08	2.2860E+17	5.0207E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10

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 Cs-137 1.6131E+00 1.8545E-05 8.1518E+19 5.9683E+10

Environment Transport Group Inventory:

	Total Release	Release Rate/s	
Time (h) = 552.0000			
Noble gases (atoms)	1.7251E+23	8.6810E+16	
Elemental I (atoms)	3.2971E+19	1.6592E+13	
Organic I (atoms)	1.0197E+18	5.1314E+11	
Aerosols (kg)	2.1095E-05	1.0615E-11	
Dose Effective (Ci) I-131 (Thyroid)			9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2414E+03
Total I (Ci)			5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 552.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

Normal Environment to Control Room Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 552.0000		
Noble gases (atoms)	0.0000E+00	1.3553E+19
Elemental I (atoms)	0.0000E+00	2.4394E+15
Organic I (atoms)	0.0000E+00	7.5447E+13
Aerosols (kg)	0.0000E+00	1.6585E-09

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 552.0000		
Noble gases (atoms)	1.3503E+19	0.0000E+00
Elemental I (atoms)	2.4073E+15	0.0000E+00
Organic I (atoms)	7.4452E+13	0.0000E+00
Aerosols (kg)	1.6526E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 552.0000		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 552.0000	Ci	kg	Atoms	Decay
Kr-85	2.0802E+02	5.3020E-04	3.7564E+21	1.5326E+19
Kr-85m	3.0836E+03	3.7469E-03	2.6547E+22	2.2770E+20
Rb-86	2.3402E-03	2.8761E-11	2.0140E+14	2.7186E+14
I-131	1.7565E+01	1.4168E-07	6.5131E+17	4.0797E+18
I-133	2.6161E-06	2.3094E-15	1.0457E+10	1.0195E+18
Xe-133	1.1746E+03	6.2753E-06	2.8414E+19	5.6514E+20
Cs-134	5.8056E-01	4.4871E-07	2.0166E+18	4.3142E+16
Cs-136	4.8870E-02	6.6680E-10	2.9526E+15	7.0184E+15
Cs-137	2.9092E-01	3.3446E-06	1.4702E+19	2.1406E+16

MVP Holdup Transport Group Inventory:

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Time (h) = 552.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0331E+22	0.0000E+00	
Elemental I (atoms)	6.3177E+17	0.0000E+00	
Organic I (atoms)	1.9539E+16	0.0000E+00	
Aerosols (kg)	3.7940E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.9692E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			1.9692E-07
Total I (Ci)			1.7565E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 552.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 552.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 576.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 576.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.1330E-23	5.1503E-22	2.8012E-23
Accumulated dose (rem)	1.9214E+00	2.7399E+01	2.7912E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 576.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	9.7902E-25	4.4502E-23	2.4205E-24
Accumulated dose (rem)	8.4492E-01	1.1721E+01	1.2172E+00

Control Room Doses:

Time (h) = 576.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.1307E-25	4.3959E-22	1.4552E-23
Accumulated dose (rem)	2.6668E-02	1.3772E+01	4.5996E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 576.0000	Ci	kg	Atoms	Decay
Kr-85	3.4055E+03	8.6801E-03	6.1497E+22	2.6190E+20
Kr-85m	5.0472E+04	6.1330E-02	4.3452E+23	3.8906E+21
Rb-86	3.6921E-02	4.5376E-10	3.1774E+15	4.5733E+15
I-131	2.6385E+02	2.1283E-06	9.7837E+18	6.7716E+19
I-133	1.9252E-05	1.6995E-14	7.6952E+10	1.6748E+19
Xe-133	1.6852E+04	9.0033E-05	4.0766E+20	9.3177E+21
Cs-134	9.4974E+00	7.3406E-06	3.2989E+19	7.3695E+17
Cs-136	7.5897E-01	1.0356E-08	4.5855E+16	1.1746E+17
Cs-137	4.7632E+00	5.4761E-05	2.4071E+20	3.6581E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 576.0000	Atmosphere	Sump
Noble gases (atoms)	4.9642E+23	0.0000E+00

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Elemental I (atoms)	9.4902E+18	0.0000E+00	
Organic I (atoms)	2.9351E+17	0.0000E+00	
Aerosols (kg)	6.2112E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.6941E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			1.6941E-07
Total I (Ci)			2.6385E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 576.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 576.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 576.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9662E+04	1.0472E-06	7.2485E+18	1.0975E+15
Kr-88	4.3505E+04	3.4695E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5079E+02	9.2111E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3570E+03	5.0867E-08	2.2860E+17	5.0207E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

Time (h) = 576.0000	Total Release	Release Rate/s	
Noble gases (atoms)	1.7251E+23	8.3193E+16	
Elemental I (atoms)	3.2971E+19	1.5900E+13	
Organic I (atoms)	1.0197E+18	4.9176E+11	
Aerosols (kg)	2.1095E-05	1.0173E-11	
Dose Effective (Ci) I-131 (Thyroid)			9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2414E+03
Total I (Ci)			5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 576.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

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Normal Environment to Control Room Transport Group Inventory:

Time (h) = 576.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.3553E+19
Elemental I (atoms)	0.0000E+00	2.4394E+15
Organic I (atoms)	0.0000E+00	7.5447E+13
Aerosols (kg)	0.0000E+00	1.6585E-09

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 576.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	1.3503E+19	0.0000E+00
Elemental I (atoms)	2.4073E+15	0.0000E+00
Organic I (atoms)	7.4452E+13	0.0000E+00
Aerosols (kg)	1.6526E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 576.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 576.0000	Ci	kg	Atoms	Decay
Kr-85	2.0798E+02	5.3011E-04	3.7557E+21	1.5991E+19
Kr-85m	3.0824E+03	3.7455E-03	2.6537E+22	2.3755E+20
Rb-86	2.2548E-03	2.7712E-11	1.9405E+14	2.7921E+14
I-131	1.6114E+01	1.2998E-07	5.9751E+17	4.1335E+18
I-133	1.1758E-06	1.0379E-15	4.6996E+09	1.0195E+18
Xe-133	1.0292E+03	5.4984E-06	2.4897E+19	5.6866E+20
Cs-134	5.8002E-01	4.4830E-07	2.0147E+18	4.4997E+16
Cs-136	4.6352E-02	6.3243E-10	2.8004E+15	7.1706E+15
Cs-137	2.9090E-01	3.3443E-06	1.4701E+19	2.2336E+16

MVP Holdup Transport Group Inventory:

Time (h) = 576.0000	Atmosphere	Sump
Noble gases (atoms)	3.0317E+22	0.0000E+00
Elemental I (atoms)	5.7958E+17	0.0000E+00
Organic I (atoms)	1.7925E+16	0.0000E+00
Aerosols (kg)	3.7933E-06	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.8065E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		1.8065E-07
Total I (Ci)		1.6114E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 576.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 576.0000	Pathway	
	Filtered	Transported

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Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (h) = 600.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 600.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	1.1219E-23	4.7256E-22	2.6607E-23
Accumulated dose (rem)	1.9214E+00	2.7399E+01	2.7912E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 600.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	9.6940E-25	4.0833E-23	2.2990E-24
Accumulated dose (rem)	8.4492E-01	1.1721E+01	1.2172E+00

Control Room Doses:

Time (h) = 600.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	3.0999E-25	4.0335E-22	1.3444E-23
Accumulated dose (rem)	2.6668E-02	1.3772E+01	4.5996E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 600.0000	Ci	kg	Atoms	Decay
Kr-85	3.4049E+03	8.6786E-03	6.1487E+22	2.7278E+20
Kr-85m	5.0453E+04	6.1308E-02	4.3436E+23	4.0519E+21
Rb-86	3.5575E-02	4.3721E-10	3.0616E+15	4.6891E+15
I-131	2.4206E+02	1.9525E-06	8.9756E+18	6.8524E+19
I-133	8.6524E-06	7.6380E-15	3.4584E+10	1.6748E+19
Xe-133	1.4766E+04	7.8887E-05	3.5719E+20	9.3682E+21
Cs-134	9.4887E+00	7.3338E-06	3.2959E+19	7.6730E+17
Cs-136	7.1986E-01	9.8219E-09	4.3492E+16	1.1982E+17
Cs-137	4.7629E+00	5.4758E-05	2.4070E+20	3.8104E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 600.0000	Atmosphere	Sump
Noble gases (atoms)	4.9620E+23	0.0000E+00
Elemental I (atoms)	8.7063E+18	0.0000E+00
Organic I (atoms)	2.6927E+17	0.0000E+00
Aerosols (kg)	6.2102E-05	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.5542E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		1.5542E-07
Total I (Ci)		2.4206E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 600.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 600.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18

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Aerosols (kg) 0.0000E+00 2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 600.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9662E+04	1.0472E-06	7.2485E+18	1.0975E+15
Kr-88	4.3505E+04	3.4695E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5079E+02	9.2111E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3570E+03	5.0867E-08	2.2860E+17	5.0207E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

Time (h) = 600.0000	Total Release	Release Rate/s	
Noble gases (atoms)	1.7251E+23	7.9866E+16	
Elemental I (atoms)	3.2971E+19	1.5264E+13	
Organic I (atoms)	1.0197E+18	4.7209E+11	
Aerosols (kg)	2.1095E-05	9.7662E-12	
Dose Effective (Ci) I-131 (Thyroid)			9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2414E+03
Total I (Ci)			5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 600.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 600.0000	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.3553E+19
Elemental I (atoms)	0.0000E+00	2.4394E+15
Organic I (atoms)	0.0000E+00	7.5447E+13
Aerosols (kg)	0.0000E+00	1.6585E-09

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 600.0000	Pathway Filtered	Transported
Noble gases (atoms)	1.3503E+19	0.0000E+00
Elemental I (atoms)	2.4073E+15	0.0000E+00
Organic I (atoms)	7.4452E+13	0.0000E+00
Aerosols (kg)	1.6526E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 600.0000	Pathway Filtered	Transported

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Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 600.0000	Ci	kg	Atoms	Decay
Kr-85	2.0794E+02	5.3001E-04	3.7551E+21	1.6656E+19
Kr-85m	3.0813E+03	3.7442E-03	2.6527E+22	2.4740E+20
Rb-86	2.1726E-03	2.6701E-11	1.8698E+14	2.8628E+14
I-131	1.4783E+01	1.1924E-07	5.4815E+17	4.1828E+18
I-133	5.2842E-07	4.6647E-16	2.1121E+09	1.0195E+18
Xe-133	9.0180E+02	4.8178E-06	2.1814E+19	5.7174E+20
Cs-134	5.7949E-01	4.4789E-07	2.0129E+18	4.6850E+16
Cs-136	4.3963E-02	5.9984E-10	2.6561E+15	7.3149E+15
Cs-137	2.9088E-01	3.3441E-06	1.4700E+19	2.3266E+16

MVP Holdup Transport Group Inventory:

Time (h) = 600.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0304E+22	0.0000E+00	
Elemental I (atoms)	5.3171E+17	0.0000E+00	
Organic I (atoms)	1.6445E+16	0.0000E+00	
Aerosols (kg)	3.7926E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.6573E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			1.6573E-07
Total I (Ci)			1.4783E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 600.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 600.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 624.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 624.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	1.1121E-23	4.3360E-22	2.5321E-23
Accumulated dose (rem)	1.9214E+00	2.7399E+01	2.7912E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 624.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	9.6089E-25	3.7466E-23	2.1879E-24
Accumulated dose (rem)	8.4492E-01	1.1721E+01	1.2172E+00

Control Room Doses:

Time (h) = 624.0000	whole Body	Thyroid	TEDE

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Delta dose (rem) 3.0727E-25 3.7009E-22 1.2428E-23
 Accumulated dose (rem) 2.6668E-02 1.3772E+01 4.5996E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 624.0000	Ci	kg	Atoms	Decay
Kr-85	3.4043E+03	8.6770E-03	6.1476E+22	2.8367E+20
Kr-85m	5.0435E+04	6.1285E-02	4.3420E+23	4.2132E+21
Rb-86	3.4278E-02	4.2127E-10	2.9499E+15	4.8008E+15
I-131	2.2206E+02	1.7912E-06	8.2342E+18	6.9266E+19
I-133	3.8886E-06	3.4327E-15	1.5543E+10	1.6748E+19
Xe-133	1.2938E+04	6.9121E-05	3.1298E+20	9.4124E+21
Cs-134	9.4800E+00	7.3271E-06	3.2929E+19	7.9762E+17
Cs-136	6.8276E-01	9.3157E-09	4.1250E+16	1.2206E+17
Cs-137	4.7626E+00	5.4754E-05	2.4068E+20	3.9626E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 624.0000	Atmosphere	Sump
Noble gases (atoms)	4.9598E+23	0.0000E+00
Elemental I (atoms)	7.9872E+18	0.0000E+00
Organic I (atoms)	2.4703E+17	0.0000E+00
Aerosols (kg)	6.2091E-05	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.4258E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		1.4258E-07
Total I (Ci)		2.2206E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 624.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 624.0000	Pathway	Filtered	Transported
Noble gases (atoms)		0.0000E+00	1.9857E+23
Elemental I (atoms)		0.0000E+00	3.8180E+19
Organic I (atoms)		0.0000E+00	1.1808E+18
Aerosols (kg)		0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 624.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9662E+04	1.0472E-06	7.2485E+18	1.0975E+15
Kr-88	4.3505E+04	3.4695E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5079E+02	9.2111E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3570E+03	5.0867E-08	2.2860E+17	5.0207E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

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	Total Release	Release Rate/s	
Time (h) = 624.0000			
Noble gases (atoms)	1.7251E+23	7.6794E+16	
Elemental I (atoms)	3.2971E+19	1.4677E+13	
Organic I (atoms)	1.0197E+18	4.5393E+11	
Aerosols (kg)	2.1095E-05	9.3906E-12	
Dose Effective (Ci) I-131 (Thyroid)			9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2414E+03
Total I (Ci)			5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 624.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

Normal Environment to Control Room Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 624.0000		
Noble gases (atoms)	0.0000E+00	1.3553E+19
Elemental I (atoms)	0.0000E+00	2.4394E+15
Organic I (atoms)	0.0000E+00	7.5447E+13
Aerosols (kg)	0.0000E+00	1.6585E-09

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 624.0000		
Noble gases (atoms)	1.3503E+19	0.0000E+00
Elemental I (atoms)	2.4073E+15	0.0000E+00
Organic I (atoms)	7.4452E+13	0.0000E+00
Aerosols (kg)	1.6526E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 624.0000		
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 624.0000	Ci	kg	Atoms	Decay
Kr-85	2.0791E+02	5.2992E-04	3.7544E+21	1.7321E+19
Kr-85m	3.0801E+03	3.7428E-03	2.6517E+22	2.5725E+20
Rb-86	2.0934E-03	2.5728E-11	1.8016E+14	2.9310E+14
I-131	1.3562E+01	1.0939E-07	5.0287E+17	4.2281E+18
I-133	2.3748E-07	2.0964E-16	9.4924E+08	1.0195E+18
Xe-133	7.9016E+02	4.2214E-06	1.9114E+19	5.7444E+20
Cs-134	5.7896E-01	4.4748E-07	2.0110E+18	4.8702E+16
Cs-136	4.1697E-02	5.6893E-10	2.5192E+15	7.4518E+15
Cs-137	2.9086E-01	3.3439E-06	1.4699E+19	2.4196E+16

MVP Holdup Transport Group Inventory:

Time (h) = 624.0000	Atmosphere	Sump
Noble gases (atoms)	3.0291E+22	0.0000E+00
Elemental I (atoms)	4.8779E+17	0.0000E+00

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Organic I (atoms)	1.5086E+16	0.0000E+00	
Aerosols (kg)	3.7920E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.5204E-07
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		1.5204E-07
Total I (Ci)			1.3562E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 624.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 624.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 648.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 648.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.1033E-23	3.9786E-22	2.4145E-23
Accumulated dose (rem)	1.9214E+00	2.7399E+01	2.7912E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 648.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	9.5335E-25	3.4378E-23	2.0863E-24
Accumulated dose (rem)	8.4492E-01	1.1721E+01	1.2172E+00

Control Room Doses:

Time (h) = 648.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.0486E-25	3.3959E-22	1.1496E-23
Accumulated dose (rem)	2.6668E-02	1.3772E+01	4.5996E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 648.0000	Ci	kg	Atoms	Decay
Kr-85	3.4037E+03	8.6755E-03	6.1465E+22	2.9455E+20
Kr-85m	5.0416E+04	6.1262E-02	4.3403E+23	4.3744E+21
Rb-86	3.3028E-02	4.0591E-10	2.8424E+15	4.9083E+15
I-131	2.0372E+02	1.6432E-06	7.5540E+18	6.9946E+19
I-133	1.7476E-06	1.5427E-15	6.9854E+09	1.6748E+19
Xe-133	1.1337E+04	6.0565E-05	2.7423E+20	9.4511E+21
Cs-134	9.4712E+00	7.3203E-06	3.2898E+19	8.2791E+17
Cs-136	6.4757E-01	8.8356E-09	3.9124E+16	1.2419E+17
Cs-137	4.7623E+00	5.4751E-05	2.4067E+20	4.1149E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 648.0000	Atmosphere	Sump
Noble gases (atoms)	4.9577E+23	0.0000E+00
Elemental I (atoms)	7.3274E+18	0.0000E+00
Organic I (atoms)	2.2662E+17	0.0000E+00
Aerosols (kg)	6.2080E-05	0.0000E+00

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Dose Effective (Ci/cc) I-131 (Thyroid) 1.3081E-07
 Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid) 1.3081E-07
 Total I (Ci) 2.0372E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 648.0000 Leakage Transport

Noble gases (atoms) 5.0830E+21
 Elemental I (atoms) 8.5045E+17
 Organic I (atoms) 2.6302E+16
 Aerosols (kg) 6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 648.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 648.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9662E+04	1.0472E-06	7.2485E+18	1.0975E+15
Kr-88	4.3505E+04	3.4695E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5079E+02	9.2111E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3570E+03	5.0867E-08	2.2860E+17	5.0207E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

Time (h) = 648.0000	Total Release	Release Rate/s	
Noble gases (atoms)	1.7251E+23	7.3950E+16	
Elemental I (atoms)	3.2971E+19	1.4134E+13	
Organic I (atoms)	1.0197E+18	4.3712E+11	
Aerosols (kg)	2.1095E-05	9.0428E-12	
Dose Effective (Ci) I-131 (Thyroid)			9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2414E+03
Total I (Ci)			5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 648.0000 Leakage Transport

Noble gases (atoms) 5.0830E+21
 Elemental I (atoms) 8.5045E+17
 Organic I (atoms) 2.6302E+16
 Aerosols (kg) 6.2256E-07

Normal Environment to Control Room Transport Group Inventory:

Pathway

CRDA GAP MVP TRIP 10 MIN.o0

Time (h) = 648.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.3553E+19
Elemental I (atoms)	0.0000E+00	2.4394E+15
Organic I (atoms)	0.0000E+00	7.5447E+13
Aerosols (kg)	0.0000E+00	1.6585E-09

Normal Return Control Room to Environment Transport Group Inventory:

	Pathway	
Time (h) = 648.0000	Filtered	Transported
Noble gases (atoms)	1.3503E+19	0.0000E+00
Elemental I (atoms)	2.4073E+15	0.0000E+00
Organic I (atoms)	7.4452E+13	0.0000E+00
Aerosols (kg)	1.6526E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 648.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 648.0000	Ci	kg	Atoms	Decay
Kr-85	2.0787E+02	5.2983E-04	3.7538E+21	1.7985E+19
Kr-85m	3.0790E+03	3.7414E-03	2.6507E+22	2.6710E+20
Rb-86	2.0171E-03	2.4789E-11	1.7359E+14	2.9967E+14
I-131	1.2441E+01	1.0035E-07	4.6134E+17	4.2697E+18
I-133	1.0673E-07	9.4218E-17	4.2661E+08	1.0195E+18
Xe-133	6.9234E+02	3.6988E-06	1.6748E+19	5.7681E+20
Cs-134	5.7842E-01	4.4706E-07	2.0092E+18	5.0552E+16
Cs-136	3.9548E-02	5.3961E-10	2.3894E+15	7.5816E+15
Cs-137	2.9084E-01	3.3437E-06	1.4698E+19	2.5125E+16

MVP Holdup Transport Group Inventory:

Time (h) = 648.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0278E+22	0.0000E+00	
Elemental I (atoms)	4.4750E+17	0.0000E+00	
Organic I (atoms)	1.3840E+16	0.0000E+00	
Aerosols (kg)	3.7913E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.3948E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			1.3948E-07
Total I (Ci)			1.2441E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 648.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 648.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18

Aerosols (kg) CRDA GAP MVP TRIP 10 MIN.o0
 0.0000E+00 2.3498E-05

Detailed model information at time (H) = 672.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 672.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.0956E-23	3.6507E-22	2.3068E-23
Accumulated dose (rem)	1.9214E+00	2.7399E+01	2.7912E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 672.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	9.4667E-25	3.1545E-23	1.9932E-24
Accumulated dose (rem)	8.4492E-01	1.1721E+01	1.2172E+00

Control Room Doses:

Time (h) = 672.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.0272E-25	3.1160E-22	1.0641E-23
Accumulated dose (rem)	2.6668E-02	1.3772E+01	4.5996E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 672.0000	Ci	kg	Atoms	Decay
Kr-85	3.4031E+03	8.6740E-03	6.1454E+22	3.0543E+20
Kr-85m	5.0397E+04	6.1239E-02	4.3387E+23	4.5355E+21
Rb-86	3.1823E-02	3.9111E-10	2.7387E+15	5.0120E+15
I-131	1.8689E+02	1.5075E-06	6.9301E+18	7.0570E+19
I-133	7.8543E-07	6.9335E-16	3.1394E+09	1.6748E+19
Xe-133	9.9332E+03	5.3067E-05	2.4028E+20	9.4851E+21
Cs-134	9.4625E+00	7.3136E-06	3.2868E+19	8.5817E+17
Cs-136	6.1420E-01	8.3803E-09	3.7108E+16	1.2620E+17
Cs-137	4.7620E+00	5.4747E-05	2.4065E+20	4.2671E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 672.0000	Atmosphere	Sump	
Noble gases (atoms)	4.9557E+23	0.0000E+00	
Elemental I (atoms)	6.7222E+18	0.0000E+00	
Organic I (atoms)	2.0790E+17	0.0000E+00	
Aerosols (kg)	6.2070E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.2000E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			1.2000E-07
Total I (Ci)			1.8689E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 672.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 672.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

CRDA GAP MVP TRIP 10 MIN.o0

Time (h) = 672.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9662E+04	1.0472E-06	7.2485E+18	1.0975E+15
Kr-88	4.3505E+04	3.4695E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5079E+02	9.2111E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3570E+03	5.0867E-08	2.2860E+17	5.0207E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

Time (h) = 672.0000	Total Release	Release Rate/s	
Noble gases (atoms)	1.7251E+23	7.1309E+16	
Elemental I (atoms)	3.2971E+19	1.3629E+13	
Organic I (atoms)	1.0197E+18	4.2151E+11	
Aerosols (kg)	2.1095E-05	8.7199E-12	
Dose Effective (Ci) I-131 (Thyroid)			9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2414E+03
Total I (Ci)			5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 672.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 672.0000	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.3553E+19
Elemental I (atoms)	0.0000E+00	2.4394E+15
Organic I (atoms)	0.0000E+00	7.5447E+13
Aerosols (kg)	0.0000E+00	1.6585E-09

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 672.0000	Pathway Filtered	Transported
Noble gases (atoms)	1.3503E+19	0.0000E+00
Elemental I (atoms)	2.4073E+15	0.0000E+00
Organic I (atoms)	7.4452E+13	0.0000E+00
Aerosols (kg)	1.6526E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 672.0000	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18

CRDA GAP MVP TRIP 10 MIN.o0

Aerosols (kg) 0.0000E+00 2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 672.0000	Ci	kg	Atoms	Decay
Kr-85	2.0783E+02	5.2973E-04	3.7531E+21	1.8650E+19
Kr-85m	3.0778E+03	3.7400E-03	2.6497E+22	2.7694E+20
Rb-86	1.9435E-03	2.3886E-11	1.6726E+14	3.0600E+14
I-131	1.1414E+01	9.2066E-08	4.2323E+17	4.3078E+18
I-133	4.7968E-08	4.2344E-17	1.9173E+08	1.0195E+18
Xe-133	6.0664E+02	3.2409E-06	1.4675E+19	5.7888E+20
Cs-134	5.7789E-01	4.4665E-07	2.0073E+18	5.2400E+16
Cs-136	3.7510E-02	5.1180E-10	2.2663E+15	7.7048E+15
Cs-137	2.9082E-01	3.3435E-06	1.4697E+19	2.6055E+16

MVP Holdup Transport Group Inventory:

Time (h) = 672.0000	Atmosphere	Sump
Noble gases (atoms)	3.0265E+22	0.0000E+00
Elemental I (atoms)	4.1053E+17	0.0000E+00
Organic I (atoms)	1.2697E+16	0.0000E+00
Aerosols (kg)	3.7907E-06	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.2796E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		1.2796E-07
Total I (Ci)		1.1414E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 672.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 672.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 696.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 696.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.0887E-23	3.3499E-22	2.2083E-23
Accumulated dose (rem)	1.9214E+00	2.7399E+01	2.7912E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 696.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	9.4075E-25	2.8946E-23	1.9081E-24
Accumulated dose (rem)	8.4492E-01	1.1721E+01	1.2172E+00

Control Room Doses:

Time (h) = 696.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.0083E-25	2.8593E-22	9.8562E-24
Accumulated dose (rem)	2.6668E-02	1.3772E+01	4.5996E-01

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DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 696.0000	Ci	kg	Atoms	Decay
Kr-85	3.4025E+03	8.6724E-03	6.1443E+22	3.1631E+20
Kr-85m	5.0378E+04	6.1217E-02	4.3371E+23	4.6966E+21
Rb-86	3.0663E-02	3.7685E-10	2.6389E+15	5.1119E+15
I-131	1.7145E+02	1.3830E-06	6.3576E+18	7.1142E+19
I-133	3.5299E-07	3.1161E-16	1.4109E+09	1.6748E+19
Xe-133	8.7035E+03	4.6498E-05	2.1054E+20	9.5148E+21
Cs-134	9.4538E+00	7.3069E-06	3.2838E+19	8.8841E+17
Cs-136	5.8254E-01	7.9484E-09	3.5196E+16	1.2812E+17
Cs-137	4.7617E+00	5.4744E-05	2.4064E+20	4.4193E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 696.0000	Atmosphere	Sump	
Noble gases (atoms)	4.9537E+23	0.0000E+00	
Elemental I (atoms)	6.1669E+18	0.0000E+00	
Organic I (atoms)	1.9073E+17	0.0000E+00	
Aerosols (kg)	6.2059E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.1009E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			1.1009E-07
Total I (Ci)			1.7145E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 696.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 696.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 696.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9662E+04	1.0472E-06	7.2485E+18	1.0975E+15
Kr-88	4.3505E+04	3.4695E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5079E+02	9.2111E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3570E+03	5.0867E-08	2.2860E+17	5.0207E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

Time (h) = 696.0000	Total Release	Release Rate/s
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Noble gases (atoms)	1.7251E+23	6.8850E+16	
Elemental I (atoms)	3.2971E+19	1.3159E+13	
Organic I (atoms)	1.0197E+18	4.0697E+11	
Aerosols (kg)	2.1095E-05	8.4192E-12	
Dose Effective (Ci) I-131 (Thyroid)			9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2414E+03
Total I (Ci)			5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 696.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 696.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.3553E+19
Elemental I (atoms)	0.0000E+00	2.4394E+15
Organic I (atoms)	0.0000E+00	7.5447E+13
Aerosols (kg)	0.0000E+00	1.6585E-09

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 696.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	1.3503E+19	0.0000E+00
Elemental I (atoms)	2.4073E+15	0.0000E+00
Organic I (atoms)	7.4452E+13	0.0000E+00
Aerosols (kg)	1.6526E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 696.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 696.0000	Ci	kg	Atoms	Decay
Kr-85	2.0780E+02	5.2964E-04	3.7524E+21	1.9314E+19
Kr-85m	3.0767E+03	3.7386E-03	2.6487E+22	2.8678E+20
Rb-86	1.8726E-03	2.3015E-11	1.6116E+14	3.1210E+14
I-131	1.0471E+01	8.4461E-08	3.8827E+17	4.3427E+18
I-133	2.1558E-08	1.9031E-17	8.6169E+07	1.0195E+18
Xe-133	5.3154E+02	2.8397E-06	1.2858E+19	5.8070E+20
Cs-134	5.7736E-01	4.4624E-07	2.0055E+18	5.4247E+16
Cs-136	3.5577E-02	4.8542E-10	2.1495E+15	7.8216E+15
Cs-137	2.9081E-01	3.3433E-06	1.4696E+19	2.6985E+16

MVP Holdup Transport Group Inventory:

Time (h) = 696.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0253E+22	0.0000E+00	
Elemental I (atoms)	3.7662E+17	0.0000E+00	
Organic I (atoms)	1.1648E+16	0.0000E+00	
Aerosols (kg)	3.7900E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.1739E-07

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Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid) 1.1739E-07
 Total I (Ci) 1.0471E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 696.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 696.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

Detailed model information at time (H) = 720.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 720.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	1.0827E-23	3.0740E-22	2.1180E-23
Accumulated dose (rem)	1.9214E+00	2.7399E+01	2.7912E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 720.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	9.3549E-25	2.6561E-23	1.8301E-24
Accumulated dose (rem)	8.4492E-01	1.1721E+01	1.2172E+00

Control Room Doses:

Time (h) = 720.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	2.9915E-25	2.6237E-22	9.1365E-24
Accumulated dose (rem)	2.6668E-02	1.3772E+01	4.5996E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 720.0000	Ci	kg	Atoms	Decay
Kr-85	3.4019E+03	8.6709E-03	6.1432E+22	3.2718E+20
Kr-85m	5.0360E+04	6.1194E-02	4.3355E+23	4.8576E+21
Rb-86	2.9545E-02	3.6310E-10	2.5426E+15	5.2081E+15
I-131	1.5729E+02	1.2687E-06	5.8325E+18	7.1667E+19
I-133	1.5864E-07	1.4005E-16	6.3411E+08	1.6748E+19
Xe-133	7.6261E+03	4.0742E-05	1.8447E+20	9.5409E+21
Cs-134	9.4451E+00	7.3001E-06	3.2808E+19	9.1862E+17
Cs-136	5.5252E-01	7.5387E-09	3.3382E+16	1.2993E+17
Cs-137	4.7614E+00	5.4740E-05	2.4062E+20	4.5716E+17

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 720.0000	Atmosphere	Sump	
Noble gases (atoms)	4.9517E+23	0.0000E+00	
Elemental I (atoms)	5.6575E+18	0.0000E+00	
Organic I (atoms)	1.7497E+17	0.0000E+00	
Aerosols (kg)	6.2048E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.0100E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			1.0100E-07
Total I (Ci)			1.5729E+02

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DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 720.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 720.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

Environment Integral Nuclide Release:

Time (h) = 720.0000	Ci	kg	Atoms	Bq
Kr-85	1.1564E+03	2.9475E-03	2.0883E+22	4.2788E+13
Kr-85m	1.7219E+04	2.0923E-02	1.4824E+23	6.3710E+14
Kr-87	2.9662E+04	1.0472E-06	7.2485E+18	1.0975E+15
Kr-88	4.3505E+04	3.4695E-06	2.3743E+19	1.6097E+15
Rb-86	3.0424E-02	3.7391E-10	2.6183E+15	1.1257E+09
I-131	7.0517E+02	5.6880E-06	2.6148E+19	2.6091E+13
I-132	9.5079E+02	9.2111E-08	4.2023E+17	3.5179E+13
I-133	1.3927E+03	1.2294E-06	5.5666E+18	5.1528E+13
I-134	1.3570E+03	5.0867E-08	2.2860E+17	5.0207E+13
I-135	1.2807E+03	3.6469E-07	1.6268E+18	4.7387E+13
Xe-133	1.3527E+05	7.2268E-04	3.2722E+21	5.0051E+15
Xe-135	4.7764E+04	1.8704E-05	8.3434E+19	1.7673E+15
Cs-134	3.2831E+00	2.5375E-06	1.1404E+19	1.2147E+11
Cs-136	9.1276E-01	1.2454E-08	5.5147E+16	3.3772E+10
Cs-137	1.6131E+00	1.8545E-05	8.1518E+19	5.9683E+10

Environment Transport Group Inventory:

Time (h) = 720.0000	Total Release		
	Release	Rate/s	
Noble gases (atoms)	1.7251E+23	6.6555E+16	
Elemental I (atoms)	3.2971E+19	1.2720E+13	
Organic I (atoms)	1.0197E+18	3.9341E+11	
Aerosols (kg)	2.1095E-05	8.1385E-12	
Dose Effective (Ci) I-131 (Thyroid)			9.8108E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.2414E+03
Total I (Ci)			5.6863E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 720.0000 Leakage Transport

Noble gases (atoms)	5.0830E+21
Elemental I (atoms)	8.5045E+17
Organic I (atoms)	2.6302E+16
Aerosols (kg)	6.2256E-07

Normal Environment to Control Room Transport Group Inventory:

Time (h) = 720.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.3553E+19
Elemental I (atoms)	0.0000E+00	2.4394E+15

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Organic I (atoms) 0.0000E+00 7.5447E+13
 Aerosols (kg) 0.0000E+00 1.6585E-09

Normal Return Control Room to Environment Transport Group Inventory:

Time (h) = 720.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	1.3503E+19	0.0000E+00
Elemental I (atoms)	2.4073E+15	0.0000E+00
Organic I (atoms)	7.4452E+13	0.0000E+00
Aerosols (kg)	1.6526E-09	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 720.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 720.0000	Ci	kg	Atoms	Decay
Kr-85	2.0776E+02	5.2955E-04	3.7518E+21	1.9978E+19
Kr-85m	3.0755E+03	3.7372E-03	2.6478E+22	2.9661E+20
Rb-86	1.8044E-03	2.2175E-11	1.5528E+14	3.1798E+14
I-131	9.6061E+00	7.7484E-08	3.5620E+17	4.3748E+18
I-133	9.6887E-09	8.5528E-18	3.8726E+07	1.0195E+18
Xe-133	4.6574E+02	2.4882E-06	1.1266E+19	5.8229E+20
Cs-134	5.7683E-01	4.4583E-07	2.0036E+18	5.6092E+16
Cs-136	3.3743E-02	4.6040E-10	2.0387E+15	7.9323E+15
Cs-137	2.9079E-01	3.3431E-06	1.4695E+19	2.7914E+16

MVP Holdup Transport Group Inventory:

Time (h) = 720.0000	Atmosphere	Sump	
Noble gases (atoms)	3.0241E+22	0.0000E+00	
Elemental I (atoms)	3.4551E+17	0.0000E+00	
Organic I (atoms)	1.0686E+16	0.0000E+00	
Aerosols (kg)	3.7894E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.0769E-07
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		1.0769E-07
Total I (Ci)			9.6061E+00

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 720.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9857E+23
Elemental I (atoms)	0.0000E+00	3.8180E+19
Organic I (atoms)	0.0000E+00	1.1808E+18
Aerosols (kg)	0.0000E+00	2.4281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 720.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.9217E+23
Elemental I (atoms)	0.0000E+00	3.6947E+19
Organic I (atoms)	0.0000E+00	1.1427E+18
Aerosols (kg)	0.0000E+00	2.3498E-05

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 I-131 Summary
 #####

Time (hr)	DAEC Condenser - CRDA I-131 (Curies)	Environment I-131 (Curies)	Control Room I-131 (Curies)
0.000	1.1693E+03	4.0315E-03	1.3262E-07
0.001	2.9191E+03	6.2401E-02	2.0521E-06
0.167	2.1087E+03	6.8522E+02	2.0045E-02
0.360	2.1070E+03	6.8539E+02	1.5107E-02
0.610	2.1049E+03	6.8561E+02	1.0625E-02
0.860	2.1028E+03	6.8583E+02	7.6269E-03
1.200	2.0999E+03	6.8613E+02	5.0762E-03
1.500	2.0974E+03	6.8639E+02	3.7347E-03
1.800	2.0949E+03	6.8665E+02	2.9064E-03
2.000	2.0932E+03	6.8683E+02	2.5387E-03
2.300	2.0907E+03	6.8709E+02	2.0820E-03
2.600	2.0882E+03	6.8735E+02	1.7997E-03
2.900	2.0857E+03	6.8761E+02	1.6249E-03
3.200	2.0832E+03	6.8787E+02	1.5164E-03
3.500	2.0807E+03	6.8813E+02	1.4489E-03
3.800	2.0782E+03	6.8839E+02	1.4066E-03
4.100	2.0757E+03	6.8865E+02	1.3799E-03
4.400	2.0732E+03	6.8891E+02	1.3628E-03
4.700	2.0707E+03	6.8917E+02	1.3516E-03
5.000	2.0682E+03	6.8943E+02	1.3441E-03
5.300	2.0657E+03	6.8968E+02	1.3389E-03
5.600	2.0632E+03	6.8994E+02	1.3351E-03
5.900	2.0607E+03	6.9020E+02	1.3321E-03
6.200	2.0583E+03	6.9046E+02	1.3296E-03
6.500	2.0558E+03	6.9072E+02	1.3275E-03
6.800	2.0533E+03	6.9097E+02	1.3256E-03
7.100	2.0509E+03	6.9123E+02	1.3238E-03
7.400	2.0484E+03	6.9148E+02	1.3221E-03
7.700	2.0459E+03	6.9174E+02	1.3204E-03
8.000	2.0435E+03	6.9200E+02	1.3188E-03
8.300	2.0410E+03	6.9225E+02	1.0341E-03
8.600	2.0386E+03	6.9251E+02	8.5813E-04
8.900	2.0361E+03	6.9276E+02	7.4934E-04
9.200	2.0337E+03	6.9302E+02	6.8195E-04
9.500	2.0312E+03	6.9327E+02	6.4012E-04
9.800	2.0288E+03	6.9352E+02	6.1405E-04
10.100	2.0263E+03	6.9378E+02	5.9770E-04
10.400	2.0239E+03	6.9403E+02	5.8735E-04
24.000	1.9165E+03	7.0517E+02	5.4146E-04
96.000	1.4797E+03	7.0517E+02	1.5335E-24
720.000	1.5729E+02	7.0517E+02	8.4699E-26

Time (hr)	MVP Holdup I-131 (Curies)
0.000	6.3390E-01
0.001	3.9174E+00
0.167	1.2751E+02
0.360	1.2742E+02
0.610	1.2730E+02
0.860	1.2719E+02
1.200	1.2703E+02
1.500	1.2690E+02
1.800	1.2676E+02
2.000	1.2667E+02
2.300	1.2653E+02
2.600	1.2640E+02

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2.900	1.2626E+02
3.200	1.2613E+02
3.500	1.2599E+02
3.800	1.2585E+02
4.100	1.2572E+02
4.400	1.2558E+02
4.700	1.2545E+02
5.000	1.2531E+02
5.300	1.2518E+02
5.600	1.2504E+02
5.900	1.2491E+02
6.200	1.2477E+02
6.500	1.2464E+02
6.800	1.2450E+02
7.100	1.2437E+02
7.400	1.2424E+02
7.700	1.2410E+02
8.000	1.2397E+02
8.300	1.2384E+02
8.600	1.2370E+02
8.900	1.2357E+02
9.200	1.2344E+02
9.500	1.2330E+02
9.800	1.2317E+02
10.100	1.2304E+02
10.400	1.2290E+02
24.000	1.1704E+02
96.000	9.0371E+01
720.000	9.6061E+00

 Cumulative Dose Summary
 #####

Time (hr)	CRDA @ EAB - Condense		CRDA @ LPZ - Condense		Control Room	
	Thyroid (rem)	TEDE (rem)	Thyroid (rem)	TEDE (rem)	Thyroid (rem)	TEDE (rem)
0.000	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.001	2.2990E-03	2.4416E-04	1.0301E-03	1.0940E-04	3.4262E-07	1.2126E-08
0.167	2.5236E+01	2.6578E+00	1.1308E+01	1.1909E+00	7.0036E-01	2.4736E-02
0.360	2.5286E+01	2.6628E+00	1.1320E+01	1.1921E+00	2.1473E+00	7.5580E-02
0.610	2.5350E+01	2.6690E+00	1.1335E+01	1.1936E+00	3.5050E+00	1.2295E-01
0.860	2.5413E+01	2.6749E+00	1.1350E+01	1.1950E+00	4.4656E+00	1.5625E-01
1.200	2.5499E+01	2.6825E+00	1.1371E+01	1.1969E+00	5.3660E+00	1.8725E-01
1.500	2.5574E+01	2.6890E+00	1.1389E+01	1.1984E+00	5.9186E+00	2.0615E-01
1.800	2.5649E+01	2.6951E+00	1.1407E+01	1.1999E+00	6.3345E+00	2.2029E-01
2.000	2.5699E+01	2.6990E+00	1.1419E+01	1.2008E+00	6.5626E+00	2.2801E-01
2.300	2.5744E+01	2.7025E+00	1.1428E+01	1.2015E+00	6.8508E+00	2.3772E-01
2.600	2.5790E+01	2.7058E+00	1.1436E+01	1.2021E+00	7.0926E+00	2.4582E-01
2.900	2.5835E+01	2.7090E+00	1.1445E+01	1.2027E+00	7.3055E+00	2.5293E-01
3.200	2.5880E+01	2.7121E+00	1.1453E+01	1.2033E+00	7.5004E+00	2.5941E-01
3.500	2.5925E+01	2.7150E+00	1.1462E+01	1.2038E+00	7.6840E+00	2.6549E-01
3.800	2.5970E+01	2.7179E+00	1.1470E+01	1.2044E+00	7.8603E+00	2.7131E-01
4.100	2.6014E+01	2.7207E+00	1.1478E+01	1.2049E+00	8.0319E+00	2.7696E-01
4.400	2.6058E+01	2.7234E+00	1.1487E+01	1.2054E+00	8.2004E+00	2.8249E-01
4.700	2.6102E+01	2.7260E+00	1.1495E+01	1.2059E+00	8.3666E+00	2.8793E-01
5.000	2.6146E+01	2.7285E+00	1.1503E+01	1.2064E+00	8.5313E+00	2.9330E-01
5.300	2.6190E+01	2.7310E+00	1.1512E+01	1.2068E+00	8.6947E+00	2.9862E-01
5.600	2.6234E+01	2.7334E+00	1.1520E+01	1.2073E+00	8.8571E+00	3.0390E-01
5.900	2.6277E+01	2.7357E+00	1.1528E+01	1.2077E+00	9.0187E+00	3.0914E-01
6.200	2.6320E+01	2.7380E+00	1.1536E+01	1.2081E+00	9.1795E+00	3.1434E-01
6.500	2.6363E+01	2.7402E+00	1.1544E+01	1.2086E+00	9.3396E+00	3.1952E-01
6.800	2.6406E+01	2.7424E+00	1.1552E+01	1.2090E+00	9.4990E+00	3.2466E-01

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7.100	2.6449E+01	2.7445E+00	1.1560E+01	1.2094E+00	9.6578E+00	3.2977E-01
7.400	2.6492E+01	2.7466E+00	1.1568E+01	1.2098E+00	9.8160E+00	3.3486E-01
7.700	2.6534E+01	2.7487E+00	1.1576E+01	1.2101E+00	9.9736E+00	3.3992E-01
8.000	2.6576E+01	2.7507E+00	1.1584E+01	1.2105E+00	1.0131E+01	3.4495E-01
8.300	2.6593E+01	2.7518E+00	1.1587E+01	1.2107E+00	1.0269E+01	3.4939E-01
8.600	2.6610E+01	2.7528E+00	1.1590E+01	1.2109E+00	1.0380E+01	3.5295E-01
8.900	2.6626E+01	2.7538E+00	1.1592E+01	1.2110E+00	1.0475E+01	3.5597E-01
9.200	2.6643E+01	2.7548E+00	1.1595E+01	1.2112E+00	1.0559E+01	3.5865E-01
9.500	2.6659E+01	2.7557E+00	1.1598E+01	1.2114E+00	1.0636E+01	3.6112E-01
9.800	2.6676E+01	2.7567E+00	1.1601E+01	1.2115E+00	1.0710E+01	3.6346E-01
10.100	2.6692E+01	2.7576E+00	1.1603E+01	1.2117E+00	1.0781E+01	3.6572E-01
10.400	2.6708E+01	2.7585E+00	1.1606E+01	1.2118E+00	1.0850E+01	3.6792E-01
24.000	2.7399E+01	2.7912E+00	1.1721E+01	1.2172E+00	1.3685E+01	4.5722E-01
96.000	2.7399E+01	2.7912E+00	1.1721E+01	1.2172E+00	1.3772E+01	4.5996E-01
720.000	2.7399E+01	2.7912E+00	1.1721E+01	1.2172E+00	1.3772E+01	4.5996E-01

Worst Two-Hour Doses
#####

CRDA GAP MVP TSC.o0

RADTRAD Version 3.03 (Spring 2001) run on 8/19/2005 at 10:55:28
#####

File information
#####

Plant file = H:\MSL RAD MON\CALC\RADTRAD\CRDA GAP MVP TSC.psf
Inventory file = h:\msl rad mon\calc\radtrad\crd-gap rg1-183.nif
Release file = h:\msl rad mon\calc\radtrad\crd_gap 5 sec.rft
Dose Conversion file = h:\msl rad mon\calc\radtrad\fgr11&12.inp

```
#####      #####      #####      # #      # #####      # #      #####  
# # #      #      #      # ##      # #      # #      # #  
# # #      #      #      # # #      # #      # #      # #  
#####      #####      #####      # # #      # #####      # #      #  
#      # #      #      # #      # #      # #      # #      #  
#      # #      #      # #      ##      #      # #      #  
#      #####      #      # #      # #      # #      #####      #
```

Radtrad 3.03 4/15/2001
DAEC CRDA
Nuclide Inventory File:
h:\msl rad mon\calc\radtrad\crd-gap rg1-183.nif
Plant Power Level:
1.9500E+03
Compartments:
4
Compartment 1:
DAEC Condenser - CRDA
3
5.5000E+04
0
0
0
0
0
Compartment 2:
Environment
2
0.0000E+00
0
0
0
0
0
Compartment 3:
TSC
1
6.8300E+04
0
0
0
0
0
Compartment 4:

MVP Holdup

3
3.1500E+03
0
0
0
0
0

Pathways:

5
Pathway 1:
DAEC Condenser to CRDA Environment - 24 Hour Condenser Release

1
2
4

Pathway 2:
Normal Environment to TSC

2
3
2

Pathway 3:
Normal Return TSC to Environment

3
2
2

Pathway 4:
DAEC Condenser - CRDA to MVP Holdup

1
4
2

Pathway 5:
MVP Holdup to Environment

4
2
2

End of Plant Model File
Scenario Description Name:

Plant Model Filename:

Source Term:

1
1 1.0000E+00
h:\msl rad mon\calc\radtrad\fgr11&12.inp
h:\msl rad mon\calc\radtrad\crd_gap 5 sec.rft
0.0000E+00
1
0.0000E+00 9.7000E-01 3.0000E-02 1.0000E+00

Overlying Pool:

0
0.0000E+00
0
0
0
0

Compartments:

4
Compartment 1:

1
1
0
0
0

0
 0
 0
 0
 Compartment 2:
 1
 1
 0
 0
 0
 0
 0
 0

Compartment 3:
 0
 1
 0
 0
 0
 0
 0
 0

Compartment 4:
 1
 1
 0
 0
 0
 0
 0
 0

Pathways:
 5

Pathway 1:

0
 0
 0
 0
 0
 0
 0
 0
 0
 1
 3
 0.0000E+00 1.0000E-20
 2.4000E+01 1.0000E-20
 7.2000E+02 0.0000E+00

Pathway 2:

0
 0
 0
 0
 0
 1
 2
 0.0000E+00 9.0000E+02 0.0000E+00 0.0000E+00 0.0000E+00
 7.2000E+02 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00

CRDA GAP MVP TSC.o0

0
0
0
0
0
0

Pathway 3:

0
0
0
0
0
1
2
0
0
0
0
0
0
0
0

0.0000E+00	9.0000E+02	0.0000E+00	0.0000E+00	0.0000E+00
7.2000E+02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

Pathway 4:

0
0
0
0
0
1
3
0
0
0
0
0
0
0
0

0.0000E+00	1.8000E+03	0.0000E+00	0.0000E+00	0.0000E+00
2.4000E+01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
7.2000E+02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

Pathway 5:

0
0
0
0
0
1
3
0
0
0
0
0
0
0
0

0.0000E+00	1.8000E+03	0.0000E+00	0.0000E+00	0.0000E+00
2.4000E+01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
7.2000E+02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

Dose Locations:

3

Location 1:

CRDA @ EAB - Condenser Release

2
1
7

0.0000E+00	7.0300E-05
5.0000E-01	6.9500E-06
2.0000E+00	3.6100E-06
8.0000E+00	2.6100E-06
2.4000E+01	1.2800E-06
9.6000E+01	4.6400E-07
7.2000E+02	0.0000E+00

1
4

0.0000E+00	3.4700E-04
8.0000E+00	1.7500E-04
2.4000E+01	2.3200E-04
7.2000E+02	0.0000E+00

0

Location 2:
CRDA @ LPZ - Condenser Release

2
1
7

0.0000E+00	3.1500E-05
5.0000E-01	6.6900E-06
2.0000E+00	3.5800E-06
8.0000E+00	2.6100E-06
2.4000E+01	1.3200E-06
9.6000E+01	4.9900E-07
7.2000E+02	0.0000E+00

1
4

0.0000E+00	3.4700E-04
8.0000E+00	1.7500E-04
2.4000E+01	2.3200E-04
7.2000E+02	0.0000E+00

0

Location 3:

TSC

3
0
1
2

0.0000E+00	3.4700E-04
7.2000E+02	0.0000E+00

1
4

0.0000E+00	1.0000E+00
2.4000E+01	6.0000E-01
9.6000E+01	4.0000E-01
7.2000E+02	0.0000E+00

Effective Volume Location:

1
6

0.0000E+00	1.3700E-05
2.0000E+00	2.1600E-07
8.0000E+00	8.0000E-08
2.4000E+01	4.6700E-08
9.6000E+01	2.1700E-08
7.2000E+02	0.0000E+00

Simulation Parameters:

6

0.0000E+00	1.0000E-01
2.0000E+00	5.0000E-01
8.0000E+00	2.0000E+00
2.4000E+01	8.0000E+00
4.8000E+01	2.4000E+01

7.2000E+02 0.0000E+00

Output Filename:

H:\MSL RAD MON\CALC\RADTRAD\CRDA GAP MVP TSC.o0

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End of Scenario File

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RADTRAD Version 3.03 (Spring 2001) run on 8/19/2005 at 10:55:28
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Plant Description
#####

Number of Nuclides = 60

Inventory Power = 1.0000E+00 Mwth
Plant Power Level = 1.9500E+03 Mwth

Number of compartments = 4

Compartment information

Compartment number 1 (Source term fraction = 1.0000E+00
)

Name: DAEC Condenser - CRDA
Compartment volume = 5.5000E+04 (Cubic feet)
Compartment type is Normal

Pathways into and out of compartment 1

Exit Pathway Number 1: DAEC Condenser to CRDA Environment - 24 Hour Conde
Exit Pathway Number 4: DAEC Condenser - CRDA to MVP Holdup

Compartment number 2

Name: Environment
Compartment type is Environment

Pathways into and out of compartment 2

Inlet Pathway Number 1: DAEC Condenser to CRDA Environment - 24 Hour Conde
Inlet Pathway Number 3: Normal Return TSC to Environment
Inlet Pathway Number 5: MVP Holdup to Environment
Exit Pathway Number 2: Normal Environment to TSC

Compartment number 3

Name: TSC
Compartment volume = 6.8300E+04 (Cubic feet)

Compartment type is Control Room

Pathways into and out of compartment 3

Inlet Pathway Number 2: Normal Environment to TSC
Exit Pathway Number 3: Normal Return TSC to Environment

Compartment number 4

Name: MVP Holdup
Compartment volume = 3.1500E+03 (Cubic feet)

Compartment type is Normal

Pathways into and out of compartment 4

Inlet Pathway Number 4: DAEC Condenser - CRDA to MVP Holdup
Exit Pathway Number 5: MVP Holdup to Environment

Total number of pathways = 5

 RADTRAD Version 3.03 (Spring 2001) run on 8/19/2005 at 10:55:28
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 Scenario Description
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Radioactive Decay is enabled
 Calculation of Daughters is enabled

Release Fractions and Timings

	GAP	EARLY IN-VESSEL	LATE RELEASE	RELEASE MASS
	0.001388 hr	0.0000 hrs	0.0000 hrs	(gm)
NOBLES	1.0000E+00	0.0000E+00	0.0000E+00	1.019E+02
IODINE	1.0000E+00	0.0000E+00	0.0000E+00	3.094E-02
CESIUM	1.0000E+00	0.0000E+00	0.0000E+00	8.729E-02
TELLURIUM	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
STRONTIUM	0.0000E+00	0.0000E+00	0.0000E+00	0.000E+00
BARIUM	0.0000E+00	0.0000E+00	0.0000E+00	0.000E+00
RUTHENIUM	0.0000E+00	0.0000E+00	0.0000E+00	0.000E+00
CERIUM	0.0000E+00	0.0000E+00	0.0000E+00	0.000E+00
LANTHANUM	0.0000E+00	0.0000E+00	0.0000E+00	0.000E+00

Inventory Power = 1950. MWt

Nuclide Name	Group	Specific Inventory (Ci/Mwt)	half life (s)	whole Body DCF (Sv-m3/Bq-s)	Inhaled Thyroid (Sv/Bq)	Inhaled Effective (Sv/Bq)
Kr-85	1	2.454E+00	3.383E+08	1.190E-16	0.000E+00	0.000E+00
Kr-85m	1	3.654E+01	1.613E+08	7.480E-15	0.000E+00	0.000E+00
Kr-87	1	6.945E+01	4.578E+03	4.120E-14	0.000E+00	0.000E+00
Kr-88	1	9.769E+01	1.022E+04	1.020E-13	0.000E+00	0.000E+00
Rb-86	3	6.461E-05	1.612E+06	4.810E-15	1.330E-09	1.790E-09
I-131	2	1.499E+00	6.947E+05	1.820E-14	2.920E-07	8.890E-09
I-132	2	2.153E+00	8.280E+03	1.120E-13	1.740E-09	1.030E-10
I-133	2	2.996E+00	7.488E+04	2.940E-14	4.860E-08	1.580E-09
I-134	2	3.282E+00	3.156E+03	1.300E-13	2.880E-10	3.550E-11
I-135	2	2.808E+00	2.380E+04	8.294E-14	8.460E-09	3.320E-10
Xe-133	1	2.878E+02	4.532E+05	1.560E-15	0.000E+00	0.000E+00
Xe-135	1	1.040E+02	3.272E+04	1.190E-14	0.000E+00	0.000E+00
Cs-134	3	6.967E-03	6.507E+07	7.570E-14	1.110E-08	1.250E-08
Cs-136	3	1.939E-03	1.132E+06	1.060E-13	1.730E-09	1.980E-09
Cs-137	3	3.423E-03	9.467E+08	2.725E-14	7.930E-09	8.630E-09

Nuclide	Daughter	Fraction	Daughter	Fraction	Daughter	Fraction
I-131	Xe-131m	0.01	none	0.00	none	0.00
I-133	Xe-133m	0.03	Xe-133	0.97	none	0.00
I-135	Xe-135m	0.15	Xe-135	0.85	none	0.00

Iodine fractions
 Aerosol = 0.0000E+00
 Elemental = 9.7000E-01
 Organic = 3.0000E-02

COMPARTMENT DATA

Compartment number 1: DAEC Condenser - CRDA
 Compartment number 2: Environment

Compartment number 3: TSC

Compartment number 4: MVP Holdup

PATHWAY DATA

Pathway number 1: DAEC Condenser to CRDA Environment - 24 Hour Conde

Convection Data	
Time (hr)	Flow Rate (% / day)
0.0000E+00	1.0000E-20
2.4000E+01	1.0000E-20
7.2000E+02	0.0000E+00

Pathway number 2: Normal Environment to TSC

Pathway Filter: Removal Data

Time (hr)	Flow Rate (cfm)	Filter Efficiencies (%)		
		Aerosol	Elemental	Organic
0.0000E+00	9.0000E+02	0.0000E+00	0.0000E+00	0.0000E+00
7.2000E+02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

Pathway number 3: Normal Return TSC to Environment

Pathway Filter: Removal Data

Time (hr)	Flow Rate (cfm)	Filter Efficiencies (%)		
		Aerosol	Elemental	Organic
0.0000E+00	9.0000E+02	0.0000E+00	0.0000E+00	0.0000E+00
7.2000E+02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

Pathway number 4: DAEC Condenser - CRDA to MVP Holdup

Pathway Filter: Removal Data

Time (hr)	Flow Rate (cfm)	Filter Efficiencies (%)		
		Aerosol	Elemental	Organic
0.0000E+00	1.8000E+03	0.0000E+00	0.0000E+00	0.0000E+00
2.4000E+01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
7.2000E+02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

Pathway number 5: MVP Holdup to Environment

Pathway Filter: Removal Data

Time (hr)	Flow Rate (cfm)	Filter Efficiencies (%)		
		Aerosol	Elemental	Organic
0.0000E+00	1.8000E+03	0.0000E+00	0.0000E+00	0.0000E+00
2.4000E+01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
7.2000E+02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

LOCATION DATA

Location CRDA @ EAB - Condenser Release is in compartment 2

Location X/Q Data

Time (hr)	X/Q (s * m ⁻³)
0.0000E+00	7.0300E-05
5.0000E-01	6.9500E-06
2.0000E+00	3.6100E-06
8.0000E+00	2.6100E-06
2.4000E+01	1.2800E-06
9.6000E+01	4.6400E-07

7.2000E+02

CRDA GAP MVP TSC.o0
0.0000E+00

Location Breathing Rate Data

Time (hr)	Breathing Rate (m ³ * sec ⁻¹)
0.0000E+00	3.4700E-04
8.0000E+00	1.7500E-04
2.4000E+01	2.3200E-04
7.2000E+02	0.0000E+00

Location CRDA @ LPZ - Condenser Release is in compartment 2

Location X/Q Data

Time (hr)	X/Q (s * m ⁻³)
0.0000E+00	3.1500E-05
5.0000E-01	6.6900E-06
2.0000E+00	3.5800E-06
8.0000E+00	2.6100E-06
2.4000E+01	1.3200E-06
9.6000E+01	4.9900E-07
7.2000E+02	0.0000E+00

Location Breathing Rate Data

Time (hr)	Breathing Rate (m ³ * sec ⁻¹)
0.0000E+00	3.4700E-04
8.0000E+00	1.7500E-04
2.4000E+01	2.3200E-04
7.2000E+02	0.0000E+00

Location TSC is in compartment 3

Location X/Q Data

Time (hr)	X/Q (s * m ⁻³)
0.0000E+00	1.3700E-05
2.0000E+00	2.1600E-07
8.0000E+00	8.0000E-08
2.4000E+01	4.6700E-08
9.6000E+01	2.1700E-08
7.2000E+02	0.0000E+00

Location Breathing Rate Data

Time (hr)	Breathing Rate (m ³ * sec ⁻¹)
0.0000E+00	3.4700E-04
7.2000E+02	0.0000E+00

Location Occupancy Factor Data

Time (hr)	Occupancy Factor
0.0000E+00	1.0000E+00
2.4000E+01	6.0000E-01
9.6000E+01	4.0000E-01
7.2000E+02	0.0000E+00

USER SPECIFIED TIME STEP DATA - SUPPLEMENTAL TIME STEPS

Time	Time step
0.0000E+00	1.0000E-01
2.0000E+00	5.0000E-01
8.0000E+00	2.0000E+00
2.4000E+01	8.0000E+00
4.8000E+01	2.4000E+01
7.2000E+02	0.0000E+00

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 Dose, Detailed model and Detailed Inventory Output
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Detailed model information at time (h) = 0.0014

CRDA @ EAB - Condenser Release Doses:

Time (h) =	0.0014	whole Body	Thyroid	TEDE
Delta dose (rem)	1.7107E-04	2.2990E-03	2.4416E-04	
Accumulated dose (rem)	1.7107E-04	2.2990E-03	2.4416E-04	

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	0.0014	whole Body	Thyroid	TEDE
Delta dose (rem)	7.6655E-05	1.0301E-03	1.0940E-04	
Accumulated dose (rem)	7.6655E-05	1.0301E-03	1.0940E-04	

TSC Doses:

Time (h) =	0.0014	whole Body	Thyroid	TEDE
Delta dose (rem)	3.7566E-10	1.3754E-07	4.7480E-09	
Accumulated dose (rem)	3.7566E-10	1.3754E-07	4.7480E-09	

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	0.0014	Ci	kg	Atoms	Decay
Kr-85		4.7788E+03	1.2180E-02	8.6296E+22	6.0107E+14
Kr-85m		7.1156E+04	8.6464E-02	6.1259E+23	8.9499E+15
Kr-87		1.3514E+05	4.7710E-06	3.3025E+19	1.7003E+16
Kr-88		1.9017E+05	1.5166E-05	1.0379E+20	2.3923E+16
Rb-86		1.2582E-01	1.5463E-09	1.0828E+16	1.5825E+10
I-131		2.9191E+03	2.3546E-05	1.0824E+20	3.6716E+14
I-132		4.1909E+03	4.0601E-07	1.8523E+18	5.2721E+14
I-133		5.8340E+03	5.1500E-06	2.3319E+19	7.3380E+14
I-134		6.3842E+03	2.3932E-07	1.0755E+18	8.0335E+14
I-135		5.4673E+03	1.5568E-06	6.9448E+18	6.8772E+14
Xe-133		5.6044E+05	2.9941E-03	1.3557E+22	7.0492E+16
Xe-135		2.0250E+05	7.9297E-05	3.5373E+20	2.5472E+16
Cs-134		1.3567E+01	1.0486E-05	4.7126E+19	1.7065E+12
Cs-136		3.7759E+00	5.1519E-08	2.2813E+17	4.7493E+11
Cs-137		6.6658E+00	7.6634E-05	3.3686E+20	8.3841E+11

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	0.0014	Atmosphere	Sump
Noble gases (atoms)	7.1293E+23	0.0000E+00	
Elemental I (atoms)	1.3719E+20	0.0000E+00	
Organic I (atoms)	4.2429E+18	0.0000E+00	
Aerosols (kg)	8.7173E-05	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)	2.6195E-06	
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)	3.3346E-06	

CRDA GAP MVP TSC.o0
2.4795E+04

Total I (Ci)

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 0.0014 Leakage Transport

Noble gases (atoms) 2.0625E-03
Elemental I (atoms) 3.9689E-07
Organic I (atoms) 1.2275E-08
Aerosols (kg) 2.5219E-31

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.0014	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	9.7200E+20
Elemental I (atoms)	0.0000E+00	1.8704E+17
Organic I (atoms)	0.0000E+00	5.7849E+15
Aerosols (kg)	0.0000E+00	1.1885E-07

Environment Integral Nuclide Release:

Time (h) = 0.0014	Ci	kg	Atoms	Bq
Kr-85	1.0216E-01	2.6038E-07	1.8448E+18	3.7798E+09
Kr-85m	1.5211E+00	1.8484E-06	1.3095E+19	5.6281E+10
Kr-87	2.8892E+00	1.0200E-10	7.0604E+14	1.0690E+11
Kr-88	4.0655E+00	3.2422E-10	2.2188E+15	1.5042E+11
Rb-86	2.6896E-06	3.3055E-14	2.3147E+11	9.9516E+04
I-131	6.2401E-02	5.0334E-10	2.3139E+15	2.3088E+09
I-132	8.9594E-02	8.6797E-12	3.9599E+13	3.3150E+09
I-133	1.2471E-01	1.1009E-10	4.9849E+14	4.6144E+09
I-134	1.3649E-01	5.1166E-12	2.2995E+13	5.0503E+09
I-135	1.1688E-01	3.3281E-11	1.4846E+14	4.3245E+09
Xe-133	1.1981E+01	6.4005E-08	2.8981E+17	4.4328E+11
Xe-135	4.3290E+00	1.6952E-09	7.5619E+15	1.6017E+11
Cs-134	2.9003E-04	2.2416E-10	1.0074E+15	1.0731E+07
Cs-136	8.0718E-05	1.1013E-12	4.8767E+12	2.9866E+06
Cs-137	1.4249E-04	1.6382E-09	7.2011E+15	5.2723E+06

Environment Transport Group Inventory:

Time (h) = 0.0014	Total Release	Release Rate/s
Noble gases (atoms)	1.5240E+19	3.0500E+18
Elemental I (atoms)	2.9327E+15	5.8692E+14
Organic I (atoms)	9.0702E+13	1.8152E+13
Aerosols (kg)	1.8635E-09	3.7294E-10
Dose Effective (Ci) I-131 (Thyroid)		8.7213E-02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		1.1102E-01
Total I (Ci)		5.3008E-01

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 0.0014 Leakage Transport

Noble gases (atoms) 2.0625E-03
Elemental I (atoms) 3.9689E-07
Organic I (atoms) 1.2275E-08
Aerosols (kg) 2.5219E-31

Normal Environment to TSC Transport Group Inventory:

Time (h) = 0.0014	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	8.8686E+13

CRDA GAP MVP TSC.o0

Elemental I (atoms)	0.0000E+00	1.7066E+10
Organic I (atoms)	0.0000E+00	5.2781E+08
Aerosols (kg)	0.0000E+00	1.0844E-14

Normal Return TSC to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.0014	Filtered	Transported
Noble gases (atoms)	2.4813E+10	0.0000E+00
Elemental I (atoms)	4.7747E+06	0.0000E+00
Organic I (atoms)	1.4767E+05	0.0000E+00
Aerosols (kg)	3.0339E-18	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.0014	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.5237E+19
Elemental I (atoms)	0.0000E+00	2.9321E+15
Organic I (atoms)	0.0000E+00	9.0683E+13
Aerosols (kg)	0.0000E+00	1.8631E-09

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.0014	Ci	kg	Atoms	Decay
Kr-85	6.4132E+00	1.6346E-05	1.1581E+20	6.1845E+11
Kr-85m	9.5492E+01	1.1604E-04	8.2210E+20	9.2087E+12
Kr-87	1.8136E+02	6.4027E-09	4.4319E+16	1.7494E+13
Kr-88	2.5521E+02	2.0353E-08	1.3928E+17	2.4614E+13
Rb-86	1.6885E-04	2.0751E-12	1.4531E+13	1.6283E+07
I-131	3.9174E+00	3.1598E-08	1.4526E+17	3.7777E+11
I-132	5.6242E+00	5.4487E-10	2.4858E+15	5.4244E+11
I-133	7.8292E+00	6.9113E-09	3.1294E+16	7.5502E+11
I-134	8.5676E+00	3.2116E-10	1.4434E+15	8.2652E+11
I-135	7.3372E+00	2.0893E-09	9.3199E+15	7.0760E+11
Xe-133	7.5212E+02	4.0181E-06	1.8194E+19	7.2530E+13
Xe-135	2.7176E+02	1.0642E-07	4.7471E+17	2.6208E+13
Cs-134	1.8207E-02	1.4072E-08	6.3243E+16	1.7558E+09
Cs-136	5.0673E-03	6.9139E-11	3.0615E+14	4.8866E+08
Cs-137	8.9455E-03	1.0284E-07	4.5207E+17	8.6265E+08

MVP Holdup Transport Group Inventory:

Time (h) = 0.0014	Atmosphere	Sump	
Noble gases (atoms)	9.5676E+20	0.0000E+00	
Elemental I (atoms)	1.8411E+17	0.0000E+00	
Organic I (atoms)	5.6941E+15	0.0000E+00	
Aerosols (kg)	1.1699E-07	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		6.1380E-08
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		7.8135E-08
Total I (Ci)			3.3276E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 0.0014	Filtered	Transported
Noble gases (atoms)	0.0000E+00	9.7200E+20
Elemental I (atoms)	0.0000E+00	1.8704E+17
Organic I (atoms)	0.0000E+00	5.7849E+15
Aerosols (kg)	0.0000E+00	1.1885E-07

MVP Holdup to Environment Transport Group Inventory:

Pathway

CRDA GAP MVP TSC.o0

Time (h) =	0.0014	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.5237E+19	
Elemental I (atoms)	0.0000E+00	2.9321E+15	
Organic I (atoms)	0.0000E+00	9.0683E+13	
Aerosols (kg)	0.0000E+00	1.8631E-09	

Detailed model information at time (H) = 0.1000

CRDA @ EAB - Condenser Release Doses:

Time (h) =	0.1000	whole Body	Thyroid	TEDE
Delta dose (rem)	1.0350E+00	1.3910E+01	1.4772E+00	
Accumulated dose (rem)	1.0351E+00	1.3913E+01	1.4774E+00	

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	0.1000	whole Body	Thyroid	TEDE
Delta dose (rem)	4.6375E-01	6.2330E+00	6.6189E-01	
Accumulated dose (rem)	4.6382E-01	6.2340E+00	6.6200E-01	

TSC Doses:

Time (h) =	0.1000	whole Body	Thyroid	TEDE
Delta dose (rem)	2.7950E-04	1.0235E-01	3.5331E-03	
Accumulated dose (rem)	2.7950E-04	1.0235E-01	3.5331E-03	

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	0.1000	Ci	kg	Atoms	Decay
Kr-85		3.9375E+03	1.0036E-02	7.1104E+22	5.2321E+16
Kr-85m		5.8629E+04	7.1243E-02	5.0474E+23	7.7905E+17
Kr-87		1.0552E+05	3.7254E-06	2.5787E+19	1.4410E+18
Kr-88		1.5297E+05	1.2199E-05	8.3482E+19	2.0575E+18
Rb-86		1.0365E-01	1.2739E-09	8.9203E+15	1.3774E+12
I-131		2.4043E+03	1.9394E-05	8.9154E+19	3.1954E+16
I-132		3.3520E+03	3.2474E-07	1.4815E+18	4.5217E+16
I-133		4.7912E+03	4.2295E-06	1.9151E+19	6.3770E+16
I-134		4.8657E+03	1.8240E-07	8.1971E+17	6.7273E+16
I-135		4.4585E+03	1.2696E-06	5.6633E+18	5.9555E+16
Xe-133		4.6153E+05	2.4657E-03	1.1164E+22	6.1344E+18
Xe-135		1.6563E+05	6.4859E-05	2.8933E+20	2.2089E+18
Cs-134		1.1179E+01	8.6400E-06	3.8829E+19	1.4854E+14
Cs-136		3.1105E+00	4.2440E-08	1.8793E+17	4.1336E+13
Cs-137		5.4923E+00	6.3143E-05	2.7756E+20	7.2980E+13

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	0.1000	Atmosphere	Sump
Noble gases (atoms)	5.8741E+23	0.0000E+00	
Elemental I (atoms)	1.1278E+20	0.0000E+00	
Organic I (atoms)	3.4881E+18	0.0000E+00	
Aerosols (kg)	7.1827E-05	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)	2.1546E-06	
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)	2.7351E-06	
Total I (Ci)		1.9872E+04	

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.1000 Leakage Transport

Noble gases (atoms)	2.6835E-01
Elemental I (atoms)	5.1638E-05
Organic I (atoms)	1.5971E-06
Aerosols (kg)	3.2812E-29

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DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.1000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.2647E+23
Elemental I (atoms)	0.0000E+00	2.4336E+19
Organic I (atoms)	0.0000E+00	7.5265E+17
Aerosols (kg)	0.0000E+00	1.5464E-05

Environment Integral Nuclide Release:

Time (h) = 0.1000	Ci	kg	Atoms	Bq
Kr-85	6.1824E+02	1.5758E-03	1.1164E+22	2.2875E+13
Kr-85m	9.2055E+03	1.1186E-02	7.9251E+22	3.4060E+14
Kr-87	1.6569E+04	5.8493E-07	4.0489E+18	6.1304E+14
Kr-88	2.4018E+04	1.9154E-06	1.3108E+19	8.8866E+14
Rb-86	1.6275E-02	2.0001E-10	1.4006E+15	6.0216E+08
I-131	3.7751E+02	3.0450E-06	1.3998E+19	1.3968E+13
I-132	5.2631E+02	5.0988E-08	2.3262E+17	1.9473E+13
I-133	7.5227E+02	6.6408E-07	3.0069E+18	2.7834E+13
I-134	7.6399E+02	2.8639E-08	1.2871E+17	2.8268E+13
I-135	7.0004E+02	1.9934E-07	8.8921E+17	2.5902E+13
Xe-133	7.2466E+04	3.8714E-04	1.7529E+21	2.6812E+15
Xe-135	2.6006E+04	1.0184E-05	4.5428E+19	9.6223E+14
Cs-134	1.7552E+00	1.3566E-06	6.0967E+18	6.4942E+10
Cs-136	4.8838E-01	6.6636E-09	2.9507E+16	1.8070E+10
Cs-137	8.6236E-01	9.9142E-06	4.3580E+19	3.1907E+10

Environment Transport Group Inventory:

Time (h) = 0.1000	Total Release	Release Rate/s	
Noble gases (atoms)	9.2231E+22	2.5620E+20	
Elemental I (atoms)	1.7708E+19	4.9189E+16	
Organic I (atoms)	5.4767E+17	1.5213E+15	
Aerosols (kg)	1.1278E-05	3.1327E-08	
Dose Effective (Ci) I-131 (Thyroid)			5.2689E+02
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			6.6884E+02
Total I (Ci)			3.1201E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.1000 Leakage Transport

Noble gases (atoms)	2.6835E-01
Elemental I (atoms)	5.1638E-05
Organic I (atoms)	1.5971E-06
Aerosols (kg)	3.2812E-29

Normal Environment to TSC Transport Group Inventory:

Time (h) = 0.1000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.3671E+17
Elemental I (atoms)	0.0000E+00	1.0328E+14
Organic I (atoms)	0.0000E+00	3.1942E+12
Aerosols (kg)	0.0000E+00	6.5626E-11

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 0.1000	Pathway	
	Filtered	Transported
Noble gases (atoms)	1.3754E+16	0.0000E+00
Elemental I (atoms)	2.6466E+12	0.0000E+00

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Organic I (atoms) 8.1855E+10 0.0000E+00
 Aerosols (kg) 1.6817E-12 0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.1000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.1674E+23
Elemental I (atoms)	0.0000E+00	2.2463E+19
Organic I (atoms)	0.0000E+00	6.9474E+17
Aerosols (kg)	0.0000E+00	1.4274E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.1000	Ci	kg	Atoms	Decay
Kr-85	2.2956E+02	5.8510E-04	4.1454E+21	3.0159E+15
Kr-85m	3.4181E+03	4.1534E-03	2.9426E+22	4.4906E+16
Kr-87	6.1520E+03	2.1719E-07	1.5034E+18	8.3035E+16
Kr-88	8.9179E+03	7.1120E-07	4.8670E+18	1.1858E+17
Rb-86	6.0429E-03	7.4267E-11	5.2005E+14	7.9397E+10
I-131	1.4017E+02	1.1306E-06	5.1976E+18	1.8419E+15
I-132	1.9542E+02	1.8932E-08	8.6372E+16	2.6059E+15
I-133	2.7932E+02	2.4658E-07	1.1165E+18	3.6757E+15
I-134	2.8367E+02	1.0634E-08	4.7789E+16	3.8760E+15
I-135	2.5993E+02	7.4015E-08	3.3017E+17	3.4326E+15
Xe-133	2.6907E+04	1.4375E-04	6.5088E+20	3.5359E+17
Xe-135	9.6563E+03	3.7813E-06	1.6868E+19	1.2732E+17
Cs-134	6.5171E-01	5.0371E-07	2.2637E+18	8.5621E+12
Cs-136	1.8134E-01	2.4743E-09	1.0956E+16	2.3827E+12
Cs-137	3.2020E-01	3.6812E-06	1.6182E+19	4.2067E+12

MVP Holdup Transport Group Inventory:

Time (h) = 0.1000	Atmosphere	Sump	
Noble gases (atoms)	3.4246E+22	0.0000E+00	
Elemental I (atoms)	6.5751E+18	0.0000E+00	
Organic I (atoms)	2.0335E+17	0.0000E+00	
Aerosols (kg)	4.1875E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		2.1933E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.7842E-06
Total I (Ci)			1.1585E+03

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.1000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.2647E+23
Elemental I (atoms)	0.0000E+00	2.4336E+19
Organic I (atoms)	0.0000E+00	7.5265E+17
Aerosols (kg)	0.0000E+00	1.5464E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.1000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.1674E+23
Elemental I (atoms)	0.0000E+00	2.2463E+19
Organic I (atoms)	0.0000E+00	6.9474E+17
Aerosols (kg)	0.0000E+00	1.4274E-05

Detailed model information at time (H) = 0.2000

CRDA @ EAB - Condenser Release Doses:

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Time (h) = 0.2000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.1971E+00	1.6519E+01	1.7219E+00
Accumulated dose (rem)	2.2322E+00	3.0432E+01	3.1993E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.2000	Whole Body	Thyroid	TEDE
Delta dose (rem)	5.3638E-01	7.4017E+00	7.7153E-01
Accumulated dose (rem)	1.0002E+00	1.3636E+01	1.4335E+00

TSC Doses:

Time (h) = 0.2000	Whole Body	Thyroid	TEDE
Delta dose (rem)	8.5524E-04	3.2154E-01	1.1071E-02
Accumulated dose (rem)	1.1347E-03	4.2389E-01	1.4604E-02

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.2000	Ci	kg	Atoms	Decay
Kr-85	3.2355E+03	8.2468E-03	5.8427E+22	9.5418E+16
Kr-85m	4.8176E+04	5.8541E-02	4.1475E+23	1.4208E+18
Kr-87	8.2110E+04	2.8988E-06	2.0065E+19	2.5650E+18
Kr-88	1.2266E+05	9.7824E-06	6.6945E+19	3.7115E+18
Rb-86	8.5159E-02	1.0466E-09	7.3288E+15	2.5118E+12
I-131	1.9750E+03	1.5930E-05	7.3232E+19	5.8265E+16
I-132	2.6726E+03	2.5892E-07	1.1812E+18	8.1358E+16
I-133	3.9239E+03	3.4638E-06	1.5684E+19	1.1612E+17
I-134	3.6943E+03	1.3848E-07	6.2236E+17	1.1848E+17
I-135	3.6254E+03	1.0323E-06	4.6051E+18	1.0810E+17
Xe-133	3.7904E+05	2.0250E-03	9.1690E+21	1.1185E+19
Xe-135	1.3509E+05	5.2900E-05	2.3598E+20	4.0149E+18
Cs-134	9.1856E+00	7.0996E-06	3.1906E+19	2.7089E+14
Cs-136	2.5554E+00	3.4866E-08	1.5439E+17	7.5377E+13
Cs-137	4.5131E+00	5.1885E-05	2.2807E+20	1.3309E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 0.2000	Atmosphere	Sump	
Noble gases (atoms)	4.8267E+23	0.0000E+00	
Elemental I (atoms)	9.2465E+19	0.0000E+00	
Organic I (atoms)	2.8598E+18	0.0000E+00	
Aerosols (kg)	5.9021E-05	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.7674E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.2375E-06
Total I (Ci)			1.5891E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.2000 Leakage Transport

Noble gases (atoms)	4.9055E-01
Elemental I (atoms)	9.4300E-05
Organic I (atoms)	2.9165E-06
Aerosols (kg)	5.9982E-29

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.2000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	2.3118E+23
Elemental I (atoms)	0.0000E+00	4.4441E+19
Organic I (atoms)	0.0000E+00	1.3745E+18
Aerosols (kg)	0.0000E+00	2.8268E-05

Environment Integral Nuclide Release:

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Time (h) = 0.2000	Ci	kg	Atoms	Bq
Kr-85	1.3535E+03	3.4500E-03	2.4443E+22	5.0081E+13
Kr-85m	2.0154E+04	2.4490E-02	1.7351E+23	7.4571E+14
Kr-87	3.5229E+04	1.2437E-06	8.6090E+18	1.3035E+15
Kr-88	5.1895E+04	4.1386E-06	2.8322E+19	1.9201E+15
Rb-86	3.5628E-02	4.3787E-10	3.0662E+15	1.3182E+09
I-131	8.2634E+02	6.6654E-06	3.0641E+19	3.0575E+13
I-132	1.1337E+03	1.0983E-07	5.0107E+17	4.1947E+13
I-133	1.6440E+03	1.4513E-06	6.5713E+18	6.0829E+13
I-134	1.6036E+03	6.0111E-08	2.7015E+17	5.9332E+13
I-135	1.5240E+03	4.3395E-07	1.9358E+18	5.6387E+13
Xe-133	1.5861E+05	8.4735E-04	3.8367E+21	5.8685E+15
Xe-135	5.6708E+04	2.2206E-05	9.9057E+19	2.0982E+15
Cs-134	3.8427E+00	2.9701E-06	1.3348E+19	1.4218E+11
Cs-136	1.0691E+00	1.4587E-08	6.4594E+16	3.9558E+10
Cs-137	1.8880E+00	2.1706E-05	9.5413E+19	6.9857E+10

Environment Transport Group Inventory:

Time (h) = 0.2000	Total Release	Release Rate/s	
Noble gases (atoms)	2.0192E+23	2.8045E+20	
Elemental I (atoms)	3.8722E+19	5.3780E+16	
Organic I (atoms)	1.1976E+18	1.6633E+15	
Aerosols (kg)	2.4691E-05	3.4293E-08	
Dose Effective (Ci) I-131 (Thyroid)			1.1525E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			1.4608E+03
Total I (Ci)			6.7316E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.2000 Leakage Transport

Noble gases (atoms)	4.9055E-01
Elemental I (atoms)	9.4300E-05
Organic I (atoms)	2.9165E-06
Aerosols (kg)	5.9982E-29

Normal Environment to TSC Transport Group Inventory:

Time (h) = 0.2000	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	1.1750E+18
Elemental I (atoms)	0.0000E+00	2.2584E+14
Organic I (atoms)	0.0000E+00	6.9846E+12
Aerosols (kg)	0.0000E+00	1.4368E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 0.2000	Pathway Filtered	Transported
Noble gases (atoms)	7.8416E+16	0.0000E+00
Elemental I (atoms)	1.5062E+13	0.0000E+00
Organic I (atoms)	4.6582E+11	0.0000E+00
Aerosols (kg)	9.5884E-12	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.2000	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	2.2729E+23
Elemental I (atoms)	0.0000E+00	4.3689E+19
Organic I (atoms)	0.0000E+00	1.3512E+18

Aerosols (kg) 0.0000E+00 2.7792E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) =	Ci	kg	Atoms	Decay
0.2000				
Kr-85	1.9625E+02	5.0021E-04	3.5439E+21	5.6299E+15
Kr-85m	2.9222E+03	3.5508E-03	2.5157E+22	8.3829E+16
Kr-87	4.9804E+03	1.7583E-07	1.2171E+18	1.5122E+17
Kr-88	7.4402E+03	5.9336E-07	4.0605E+18	2.1891E+17
Rb-86	5.1654E-03	6.3482E-11	4.4453E+14	1.4820E+11
I-131	1.1979E+02	9.6626E-07	4.4419E+18	3.4378E+15
I-132	1.6211E+02	1.5705E-08	7.1649E+16	4.7981E+15
I-133	2.3800E+02	2.1010E-07	9.5132E+17	6.8512E+15
I-134	2.2408E+02	8.3998E-09	3.7750E+16	6.9819E+15
I-135	2.1990E+02	6.2616E-08	2.7932E+17	6.3771E+15
Xe-133	2.2991E+04	1.2283E-04	5.5615E+20	6.5991E+17
Xe-135	8.1941E+03	3.2087E-06	1.4313E+19	2.3686E+17
Cs-134	5.5716E-01	4.3063E-07	1.9353E+18	1.5983E+13
Cs-136	1.5500E-01	2.1148E-09	9.3645E+15	4.4475E+12
Cs-137	2.7374E-01	3.1471E-06	1.3834E+19	7.8530E+12

MVP Holdup Transport Group Inventory:

Time (h) =	Atmosphere	Sump
0.2000		
Noble gases (atoms)	2.9277E+22	0.0000E+00
Elemental I (atoms)	5.6085E+18	0.0000E+00
Organic I (atoms)	1.7346E+17	0.0000E+00
Aerosols (kg)	3.5799E-06	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.8718E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		2.3697E-06
Total I (Ci)		9.6388E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	Pathway	
	Filtered	Transported
0.2000		
Noble gases (atoms)	0.0000E+00	2.3118E+23
Elemental I (atoms)	0.0000E+00	4.4441E+19
Organic I (atoms)	0.0000E+00	1.3745E+18
Aerosols (kg)	0.0000E+00	2.8268E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) =	Pathway	
	Filtered	Transported
0.2000		
Noble gases (atoms)	0.0000E+00	2.2729E+23
Elemental I (atoms)	0.0000E+00	4.3689E+19
Organic I (atoms)	0.0000E+00	1.3512E+18
Aerosols (kg)	0.0000E+00	2.7792E-05

Detailed model information at time (H) = 0.3000

CRDA @ EAB - Condenser Release Doses:

Time (h) =	whole Body	Thyroid	TEDE
0.3000			
Delta dose (rem)	9.6795E-01	1.3716E+01	1.4035E+00
Accumulated dose (rem)	3.2001E+00	4.4147E+01	4.6027E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	whole Body	Thyroid	TEDE
0.3000			
Delta dose (rem)	4.3372E-01	6.1457E+00	6.2886E-01
Accumulated dose (rem)	1.4339E+00	1.9781E+01	2.0624E+00

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TSC Doses:

Time (h) = 0.3000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.3471E-03	5.2006E-01	1.7860E-02
Accumulated dose (rem)	2.4819E-03	9.4395E-01	3.2464E-02

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.3000	Ci	kg	Atoms	Decay
Kr-85	2.6587E+03	6.7765E-03	4.8011E+22	1.3083E+17
Kr-85m	3.9587E+04	4.8104E-02	3.4081E+23	1.9481E+18
Kr-87	6.3892E+04	2.2556E-06	1.5613E+19	3.4397E+18
Kr-88	9.8365E+04	7.8445E-06	5.3683E+19	5.0379E+18
Rb-86	6.9966E-02	8.5987E-10	6.0213E+15	3.4438E+12
I-131	1.6223E+03	1.3085E-05	6.0154E+19	7.9877E+16
I-132	2.1309E+03	2.0644E-07	9.4183E+17	1.1017E+17
I-133	3.2136E+03	2.8368E-06	1.2845E+19	1.5900E+17
I-134	2.8049E+03	1.0514E-07	4.7253E+17	1.5736E+17
I-135	2.9480E+03	8.3943E-07	3.7446E+18	1.4757E+17
Xe-133	3.1129E+05	1.6630E-03	7.5302E+21	1.5332E+19
Xe-135	1.1018E+05	4.3146E-05	1.9247E+20	5.4879E+18
Cs-134	7.5479E+00	5.8338E-06	2.6218E+19	3.7143E+14
Cs-136	2.0993E+00	2.8644E-08	1.2684E+17	1.0334E+14
Cs-137	3.7085E+00	4.2635E-05	1.8741E+20	1.8249E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 0.3000	Atmosphere	Sump	
Noble gases (atoms)	3.9661E+23	0.0000E+00	
Elemental I (atoms)	7.5813E+19	0.0000E+00	
Organic I (atoms)	2.3447E+18	0.0000E+00	
Aerosols (kg)	4.8498E-05	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.4498E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			1.8307E-06
Total I (Ci)			1.2720E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.3000 Leakage Transport

Noble gases (atoms)	6.7313E-01
Elemental I (atoms)	1.2928E-04
Organic I (atoms)	3.9982E-06
Aerosols (kg)	8.2308E-29

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.3000	Pathway	Filtered	Transported
Noble gases (atoms)		0.0000E+00	3.1723E+23
Elemental I (atoms)		0.0000E+00	6.0924E+19
Organic I (atoms)		0.0000E+00	1.8843E+18
Aerosols (kg)		0.0000E+00	3.8789E-05

Environment Integral Nuclide Release:

Time (h) = 0.3000	Ci	kg	Atoms	Bq
Kr-85	1.9651E+03	5.0088E-03	3.5487E+22	7.2710E+13
Kr-85m	2.9261E+04	3.5556E-02	2.5191E+23	1.0826E+15
Kr-87	4.9926E+04	1.7626E-06	1.2201E+19	1.8473E+15
Kr-88	7.4522E+04	5.9431E-06	4.0671E+19	2.7573E+15
Rb-86	5.1723E-02	6.3567E-10	4.4513E+15	1.9137E+09
I-131	1.1995E+03	9.6755E-06	4.4479E+19	4.4382E+13
I-132	1.6239E+03	1.5732E-07	7.1773E+17	6.0084E+13
I-133	2.3833E+03	2.1038E-06	9.5261E+18	8.8181E+13

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I-134	2.2488E+03	8.4298E-08	3.7884E+17	8.3205E+13
I-135	2.2021E+03	6.2705E-07	2.7972E+18	8.1478E+13
Xe-133	2.3022E+05	1.2299E-03	5.5689E+21	8.5180E+15
Xe-135	8.2054E+04	3.2131E-05	1.4333E+20	3.0360E+15
Cs-134	5.5790E+00	4.3120E-06	1.9379E+19	2.0642E+11
Cs-136	1.5520E+00	2.1176E-08	9.3770E+16	5.7426E+10
Cs-137	2.7411E+00	3.1513E-05	1.3852E+20	1.0142E+11

Environment Transport Group Inventory:

	Total Release	Release Rate/s	
Time (h) = 0.3000			
Noble gases (atoms)	2.9316E+23	2.7144E+20	
Elemental I (atoms)	5.6162E+19	5.2002E+16	
Organic I (atoms)	1.7370E+18	1.6083E+15	
Aerosols (kg)	3.5847E-05	3.3192E-08	
Dose Effective (Ci) I-131 (Thyroid)			1.6719E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			2.1167E+03
Total I (Ci)			9.6575E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 0.3000 Leakage Transport

Noble gases (atoms)	6.7313E-01
Elemental I (atoms)	1.2928E-04
Organic I (atoms)	3.9982E-06
Aerosols (kg)	8.2308E-29

Normal Environment to TSC Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 0.3000		
Noble gases (atoms)	0.0000E+00	1.7060E+18
Elemental I (atoms)	0.0000E+00	3.2754E+14
Organic I (atoms)	0.0000E+00	1.0130E+13
Aerosols (kg)	0.0000E+00	2.0860E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 0.3000		
Noble gases (atoms)	1.8265E+17	0.0000E+00
Elemental I (atoms)	3.5030E+13	0.0000E+00
Organic I (atoms)	1.0834E+12	0.0000E+00
Aerosols (kg)	2.2334E-11	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 0.3000		
Noble gases (atoms)	0.0000E+00	3.1855E+23
Elemental I (atoms)	0.0000E+00	6.1171E+19
Organic I (atoms)	0.0000E+00	1.8919E+18
Aerosols (kg)	0.0000E+00	3.8951E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.3000	Ci	kg	Atoms	Decay
Kr-85	1.6151E+02	4.1166E-04	2.9166E+21	7.7812E+15
Kr-85m	2.4049E+03	2.9222E-03	2.0704E+22	1.1586E+17
Kr-87	3.8813E+03	1.3702E-07	9.4848E+17	2.0435E+17
Kr-88	5.9755E+03	4.7654E-07	3.2611E+18	2.9948E+17
Rb-86	4.2503E-03	5.2236E-11	3.6578E+14	2.0482E+11

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I-131	9.8550E+01	7.9492E-07	3.6543E+18	4.7507E+15
I-132	1.2945E+02	1.2541E-08	5.7215E+16	6.5486E+15
I-133	1.9522E+02	1.7233E-07	7.8030E+17	9.4559E+15
I-134	1.7039E+02	6.3873E-09	2.8705E+16	9.3436E+15
I-135	1.7908E+02	5.0994E-08	2.2748E+17	8.7751E+15
Xe-133	1.8910E+04	1.0103E-04	4.5744E+20	9.1187E+17
Xe-135	6.6934E+03	2.6210E-06	1.1692E+19	3.2634E+17
Cs-134	4.5852E-01	3.5439E-07	1.5927E+18	2.2091E+13
Cs-136	1.2753E-01	1.7401E-09	7.7050E+15	6.1464E+12
Cs-137	2.2528E-01	2.5900E-06	1.1385E+19	1.0854E+13

MVP Holdup Transport Group Inventory:

Time (h) =	0.3000	Atmosphere	Sump	
Noble gases (atoms)	2.4093E+22	0.0000E+00		
Elemental I (atoms)	4.6055E+18	0.0000E+00		
Organic I (atoms)	1.4244E+17	0.0000E+00		
Aerosols (kg)	2.9462E-06	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)			1.5378E-06
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)			1.9418E-06
Total I (Ci)				7.7269E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Time (h) =	0.3000	Pathway	
			Filtered	Transported
Noble gases (atoms)			0.0000E+00	3.1723E+23
Elemental I (atoms)			0.0000E+00	6.0924E+19
Organic I (atoms)			0.0000E+00	1.8843E+18
Aerosols (kg)			0.0000E+00	3.8789E-05

MVP Holdup to Environment Transport Group Inventory:

	Time (h) =	0.3000	Pathway	
			Filtered	Transported
Noble gases (atoms)			0.0000E+00	3.1855E+23
Elemental I (atoms)			0.0000E+00	6.1171E+19
Organic I (atoms)			0.0000E+00	1.8919E+18
Aerosols (kg)			0.0000E+00	3.8951E-05

Detailed model information at time (H) = 0.4000

CRDA @ EAB - Condenser Release Doses:

Time (h) =	0.4000	Whole Body	Thyroid	TEDE
Delta dose (rem)	7.7384E-01	1.1256E+01	1.1311E+00	
Accumulated dose (rem)	3.9740E+00	5.5403E+01	5.7338E+00	

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	0.4000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.4674E-01	5.0437E+00	5.0680E-01	
Accumulated dose (rem)	1.7807E+00	2.4825E+01	2.5692E+00	

TSC Doses:

Time (h) =	0.4000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.6761E-03	6.6426E-01	2.2756E-02	
Accumulated dose (rem)	4.1580E-03	1.6082E+00	5.5220E-02	

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	0.4000	Ci	kg	Atoms	Decay
Kr-85		2.1846E+03	5.5683E-03	3.9451E+22	1.5993E+17

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Kr-85m	3.2529E+04	3.9527E-02	2.8005E+23	2.3814E+18
Kr-87	4.9716E+04	1.7551E-06	1.2149E+19	4.1203E+18
Kr-88	7.8879E+04	6.2906E-06	4.3048E+19	6.1015E+18
Rb-86	5.7483E-02	7.0646E-10	4.9470E+15	4.2096E+12
I-131	1.3326E+03	1.0749E-05	4.9412E+19	9.7630E+16
I-132	1.6990E+03	1.6460E-07	7.5094E+17	1.3315E+17
I-133	2.6318E+03	2.3233E-06	1.0520E+19	1.9411E+17
I-134	2.1296E+03	7.9829E-08	3.5876E+17	1.8687E+17
I-135	2.3971E+03	6.8258E-07	3.0449E+18	1.7967E+17
Xe-133	2.5565E+05	1.3658E-03	6.1843E+21	1.8738E+19
Xe-135	8.9867E+04	3.5190E-05	1.5698E+20	6.6893E+18
Cs-134	6.2022E+00	4.7937E-06	2.1543E+19	4.5405E+14
Cs-136	1.7247E+00	2.3532E-08	1.0420E+17	1.2632E+14
Cs-137	3.0473E+00	3.5034E-05	1.5400E+20	2.2308E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	0.4000	Atmosphere	Sump	
Noble gases (atoms)	3.2589E+23	0.0000E+00		
Elemental I (atoms)	6.2164E+19	0.0000E+00		
Organic I (atoms)	1.9226E+18	0.0000E+00		
Aerosols (kg)	3.9852E-05	0.0000E+00		
Dose Effective (Ci/cc) I-131 (Thyroid)				1.1893E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)				1.4980E-06
Total I (Ci)				1.0190E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.4000 Leakage Transport

Noble gases (atoms)	8.2316E-01
Elemental I (atoms)	1.5795E-04
Organic I (atoms)	4.8852E-06
Aerosols (kg)	1.0065E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	0.4000	Pathway	Transported
Noble gases (atoms)	0.0000E+00	Filtered	3.8793E+23
Elemental I (atoms)	0.0000E+00		7.4440E+19
Organic I (atoms)	0.0000E+00		2.3023E+18
Aerosols (kg)	0.0000E+00		4.7435E-05

Environment Integral Nuclide Release:

Time (h) =	0.4000	Ci	kg	Atoms	Bq
Kr-85		2.4679E+03	6.2903E-03	4.4566E+22	9.1313E+13
Kr-85m		3.6747E+04	4.4653E-02	3.1636E+23	1.3596E+15
Kr-87		6.1368E+04	2.1665E-06	1.4997E+19	2.2706E+15
Kr-88		9.2676E+04	7.3909E-06	5.0578E+19	3.4290E+15
Rb-86		6.4952E-02	7.9826E-10	5.5898E+15	2.4032E+09
I-131		1.5062E+03	1.2149E-05	5.5851E+19	5.5730E+13
I-132		2.0149E+03	1.9520E-07	8.9055E+17	7.4551E+13
I-133		2.9890E+03	2.6385E-06	1.1947E+19	1.1059E+14
I-134		2.7389E+03	1.0267E-07	4.6141E+17	1.0134E+14
I-135		2.7538E+03	7.8414E-07	3.4979E+18	1.0189E+14
Xe-133		2.8905E+05	1.5442E-03	6.9922E+21	1.0695E+16
Xe-135		1.0274E+05	4.0230E-05	1.7946E+20	3.8012E+15
Cs-134		7.0065E+00	5.4153E-06	2.4337E+19	2.5924E+11
Cs-136		1.9490E+00	2.6592E-08	1.1775E+17	7.2112E+10
Cs-137		3.4424E+00	3.9576E-05	1.7397E+20	1.2737E+11

Environment Transport Group Inventory:

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	Total	Release	
Time (h) = 0.4000	Release	Rate/s	
Noble gases (atoms)	3.6816E+23	2.5567E+20	
Elemental I (atoms)	7.0468E+19	4.8936E+16	
Organic I (atoms)	2.1794E+18	1.5135E+15	
Aerosols (kg)	4.5019E-05	3.1263E-08	
Dose Effective (Ci) I-131 (Thyroid)			2.0982E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			2.6536E+03
Total I (Ci)			1.2003E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 0.4000 Leakage Transport

Noble gases (atoms)	8.2316E-01
Elemental I (atoms)	1.5795E-04
Organic I (atoms)	4.8852E-06
Aerosols (kg)	1.0065E-28

Normal Environment to TSC Transport Group Inventory:

	Pathway	
Time (h) = 0.4000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	2.1424E+18
Elemental I (atoms)	0.0000E+00	4.1097E+14
Organic I (atoms)	0.0000E+00	1.2711E+13
Aerosols (kg)	0.0000E+00	2.6197E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.4000	Filtered	Transported
Noble gases (atoms)	3.1557E+17	0.0000E+00
Elemental I (atoms)	6.0437E+13	0.0000E+00
Organic I (atoms)	1.8692E+12	0.0000E+00
Aerosols (kg)	3.8588E-11	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.4000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	3.9354E+23
Elemental I (atoms)	0.0000E+00	7.5507E+19
Organic I (atoms)	0.0000E+00	2.3353E+18
Aerosols (kg)	0.0000E+00	4.8121E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.4000	Ci	kg	Atoms	Decay
Kr-85	1.3272E+02	3.3829E-04	2.3967E+21	9.5491E+15
Kr-85m	1.9762E+03	2.4014E-03	1.7013E+22	1.4219E+17
Kr-87	3.0203E+03	1.0663E-07	7.3808E+17	2.4570E+17
Kr-88	4.7920E+03	3.8216E-07	2.6153E+18	3.6409E+17
Rb-86	3.4922E-03	4.2919E-11	3.0054E+14	2.5134E+11
I-131	8.0955E+01	6.5300E-07	3.0019E+18	5.8292E+15
I-132	1.0322E+02	9.9998E-09	4.5621E+16	7.9444E+15
I-133	1.5989E+02	1.4114E-07	6.3909E+17	1.1589E+16
I-134	1.2938E+02	4.8498E-09	2.1796E+16	1.1137E+16
I-135	1.4563E+02	4.1468E-08	1.8498E+17	1.0725E+16
Xe-133	1.5531E+04	8.2975E-05	3.7571E+20	1.1188E+18
Xe-135	5.4596E+03	2.1379E-06	9.5368E+18	3.9933E+17
Cs-134	3.7680E-01	2.9123E-07	1.3088E+18	2.7110E+13
Cs-136	1.0478E-01	1.4296E-09	6.3303E+15	7.5421E+12
Cs-137	1.8513E-01	2.1284E-06	9.3557E+18	1.3320E+13

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MVP Holdup Transport Group Inventory:

Time (h) =	0.4000	Atmosphere	Sump	
Noble gases (atoms)		1.9799E+22	0.0000E+00	
Elemental I (atoms)		3.7766E+18	0.0000E+00	
Organic I (atoms)		1.1680E+17	0.0000E+00	
Aerosols (kg)		2.4211E-06	0.0000E+00	
Dose Effective (Ci/cc)		I-131 (Thyroid)		1.2616E-06
Dose Effective (Ci/cc)		I-131 (ICRP2 Thyroid)		1.5890E-06
Total I (Ci)				6.1907E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Time (h) =	0.4000	Pathway	
			Filtered	Transported
Noble gases (atoms)			0.0000E+00	3.8793E+23
Elemental I (atoms)			0.0000E+00	7.4440E+19
Organic I (atoms)			0.0000E+00	2.3023E+18
Aerosols (kg)			0.0000E+00	4.7435E-05

MVP Holdup to Environment Transport Group Inventory:

	Time (h) =	0.4000	Pathway	
			Filtered	Transported
Noble gases (atoms)			0.0000E+00	3.9354E+23
Elemental I (atoms)			0.0000E+00	7.5507E+19
Organic I (atoms)			0.0000E+00	2.3353E+18
Aerosols (kg)			0.0000E+00	4.8121E-05

Detailed model information at time (H) = 0.5000

CRDA @ EAB - Condenser Release Doses:

Time (h) =	0.5000	whole Body	Thyroid	TEDE
Delta dose (rem)		6.1853E-01	9.2339E+00	9.1142E-01
Accumulated dose (rem)		4.5925E+00	6.4637E+01	6.6452E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	0.5000	whole Body	Thyroid	TEDE
Delta dose (rem)		2.7715E-01	4.1375E+00	4.0839E-01
Accumulated dose (rem)		2.0578E+00	2.8963E+01	2.9776E+00

TSC Doses:

Time (h) =	0.5000	whole Body	Thyroid	TEDE
Delta dose (rem)		1.8788E-03	7.6416E-01	2.6117E-02
Accumulated dose (rem)		6.0368E-03	2.3724E+00	8.1337E-02

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	0.5000	Ci	kg	Atoms	Decay
Kr-85		1.7952E+03	4.5756E-03	3.2417E+22	1.8384E+17
Kr-85m		2.6730E+04	3.2480E-02	2.3012E+23	2.7374E+18
Kr-87		3.8685E+04	1.3657E-06	9.4535E+18	4.6499E+18
Kr-88		6.3253E+04	5.0444E-06	3.4521E+19	6.9543E+18
Rb-86		4.7227E-02	5.8042E-10	4.0644E+15	4.8387E+12
I-131		1.0946E+03	8.8291E-06	4.0588E+19	1.1221E+17
I-132		1.3547E+03	1.3124E-07	5.9874E+17	1.5147E+17
I-133		2.1554E+03	1.9027E-06	8.6154E+18	2.2287E+17
I-134		1.6169E+03	6.0610E-08	2.7239E+17	2.0928E+17
I-135		1.9492E+03	5.5503E-07	2.4759E+18	2.0577E+17
Xe-133		2.0996E+05	1.1217E-03	5.0789E+21	2.1536E+19

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Xe-135	7.3296E+04	2.8702E-05	1.2803E+20	7.6691E+18
Cs-134	5.0964E+00	3.9390E-06	1.7703E+19	5.2193E+14
Cs-136	1.4169E+00	1.9332E-08	8.5603E+16	1.4519E+14
Cs-137	2.5040E+00	2.8788E-05	1.2654E+20	2.5643E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	0.5000	Atmosphere	Sump	
Noble gases (atoms)	2.6779E+23	0.0000E+00		
Elemental I (atoms)	5.0974E+19	0.0000E+00		
Organic I (atoms)	1.5765E+18	0.0000E+00		
Aerosols (kg)	3.2747E-05	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)			9.7563E-07
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)			1.2259E-06
Total I (Ci)				8.1707E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.5000 Leakage Transport

Noble gases (atoms)	9.4643E-01
Elemental I (atoms)	1.8147E-04
Organic I (atoms)	5.6124E-06
Aerosols (kg)	1.1573E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	0.5000	Pathway	
		Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.4603E+23	
Elemental I (atoms)	0.0000E+00	8.5521E+19	
Organic I (atoms)	0.0000E+00	2.6450E+18	
Aerosols (kg)	0.0000E+00	5.4539E-05	

Environment Integral Nuclide Release:

Time (h) =	0.5000	Ci	kg	Atoms	Bq
Kr-85		2.8811E+03	7.3434E-03	5.2027E+22	1.0660E+14
Kr-85m		4.2899E+04	5.2128E-02	3.6932E+23	1.5873E+15
Kr-87		7.0272E+04	2.4809E-06	1.7172E+19	2.6001E+15
Kr-88		1.0723E+05	8.5518E-06	5.8523E+19	3.9676E+15
Rb-86		7.5822E-02	9.3184E-10	6.5252E+15	2.8054E+09
I-131		1.7581E+03	1.4181E-05	6.5192E+19	6.5051E+13
I-132		2.3267E+03	2.2541E-07	1.0284E+18	8.6087E+13
I-133		3.4850E+03	3.0765E-06	1.3930E+19	1.2895E+14
I-134		3.1110E+03	1.1662E-07	5.2410E+17	1.1511E+14
I-135		3.2024E+03	9.1188E-07	4.0678E+18	1.1849E+14
Xe-133		3.3738E+05	1.8024E-03	8.1611E+21	1.2483E+16
Xe-135		1.1961E+05	4.6836E-05	2.0893E+20	4.4254E+15
Cs-134		8.1794E+00	6.3219E-06	2.8411E+19	3.0264E+11
Cs-136		2.2751E+00	3.1041E-08	1.3745E+17	8.4177E+10
Cs-137		4.0187E+00	4.6202E-05	2.0309E+20	1.4869E+11

Environment Transport Group Inventory:

Time (h) =	0.5000	Total Release	Release Rate/s	
Noble gases (atoms)		4.2979E+23	2.3877E+20	
Elemental I (atoms)		8.2200E+19	4.5667E+16	
Organic I (atoms)		2.5423E+18	1.4124E+15	
Aerosols (kg)		5.2556E-05	2.9198E-08	
Dose Effective (Ci)	I-131 (Thyroid)			2.4479E+03
Dose Effective (Ci)	I-131 (ICRP2 Thyroid)			3.0931E+03
Total I (Ci)				1.3883E+04

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DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 0.5000 Leakage Transport

Noble gases (atoms)	9.4643E-01
Elemental I (atoms)	1.8147E-04
Organic I (atoms)	5.6124E-06
Aerosols (kg)	1.1573E-28

Normal Environment to TSC Transport Group Inventory:

	Pathway	
Time (h) = 0.5000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	2.5011E+18
Elemental I (atoms)	0.0000E+00	4.7939E+14
Organic I (atoms)	0.0000E+00	1.4826E+13
Aerosols (kg)	0.0000E+00	3.0583E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.5000	Filtered	Transported
Noble gases (atoms)	4.6846E+17	0.0000E+00
Elemental I (atoms)	8.9602E+13	0.0000E+00
Organic I (atoms)	2.7712E+12	0.0000E+00
Aerosols (kg)	5.7284E-11	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.5000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.5517E+23
Elemental I (atoms)	0.0000E+00	8.7262E+19
Organic I (atoms)	0.0000E+00	2.6988E+18
Aerosols (kg)	0.0000E+00	5.5657E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.5000	Ci	kg	Atoms	Decay
Kr-85	1.0906E+02	2.7798E-04	1.9694E+21	1.1002E+16
Kr-85m	1.6239E+03	1.9732E-03	1.3980E+22	1.6382E+17
Kr-87	2.3502E+03	8.2970E-08	5.7432E+17	2.7787E+17
Kr-88	3.8427E+03	3.0646E-07	2.0972E+18	4.1591E+17
Rb-86	2.8692E-03	3.5262E-11	2.4692E+14	2.8956E+11
I-131	6.6498E+01	5.3639E-07	2.4658E+18	6.7151E+15
I-132	8.2299E+01	7.9730E-09	3.6375E+16	9.0573E+15
I-133	1.3095E+02	1.1559E-07	5.2340E+17	1.3336E+16
I-134	9.8229E+01	3.6822E-09	1.6548E+16	1.2498E+16
I-135	1.1842E+02	3.3719E-08	1.5042E+17	1.2311E+16
Xe-133	1.2755E+04	6.8145E-05	3.0856E+20	1.2888E+18
Xe-135	4.4529E+03	1.7437E-06	7.7783E+18	4.5886E+17
Cs-134	3.0962E-01	2.3930E-07	1.0755E+18	3.1234E+13
Cs-136	8.6077E-02	1.1745E-09	5.2006E+15	8.6888E+12
Cs-137	1.5212E-01	1.7489E-06	7.6877E+18	1.5346E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.5000	Atmosphere	Sump	
Noble gases (atoms)	1.6269E+22	0.0000E+00	
Elemental I (atoms)	3.0968E+18	0.0000E+00	
Organic I (atoms)	9.5776E+16	0.0000E+00	
Aerosols (kg)	1.9894E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.0349E-06
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			1.3004E-06
Total I (Ci)			4.9639E+02

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DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.5000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.4603E+23
Elemental I (atoms)	0.0000E+00	8.5521E+19
Organic I (atoms)	0.0000E+00	2.6450E+18
Aerosols (kg)	0.0000E+00	5.4539E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.5000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.5517E+23
Elemental I (atoms)	0.0000E+00	8.7262E+19
Organic I (atoms)	0.0000E+00	2.6988E+18
Aerosols (kg)	0.0000E+00	5.5657E-05

Detailed model information at time (H) = 0.6000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.6000	Whole Body	Thyroid	TEDE
Delta dose (rem)	4.8889E-02	7.4886E-01	7.2631E-02
Accumulated dose (rem)	4.6414E+00	6.5386E+01	6.7178E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.6000	Whole Body	Thyroid	TEDE
Delta dose (rem)	4.7060E-02	7.2085E-01	6.9914E-02
Accumulated dose (rem)	2.1049E+00	2.9683E+01	3.0475E+00

TSC Doses:

Time (h) = 0.6000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.9867E-03	8.2911E-01	2.8272E-02
Accumulated dose (rem)	8.0235E-03	3.2015E+00	1.0961E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.6000	Ci	kg	Atoms	Decay
Kr-85	1.4751E+03	3.7598E-03	2.6638E+22	2.0349E+17
Kr-85m	2.1964E+04	2.6689E-02	1.8909E+23	3.0300E+18
Kr-87	3.0102E+04	1.0627E-06	7.3560E+18	5.0620E+18
Kr-88	5.0723E+04	4.0451E-06	2.7682E+19	7.6383E+18
Rb-86	3.8801E-02	4.7686E-10	3.3392E+15	5.3556E+12
I-131	8.9911E+02	7.2524E-06	3.3340E+19	1.2419E+17
I-132	1.0801E+03	1.0464E-07	4.7739E+17	1.6607E+17
I-133	1.7653E+03	1.5583E-06	7.0558E+18	2.4642E+17
I-134	1.2276E+03	4.6018E-08	2.0681E+17	2.2630E+17
I-135	1.5850E+03	4.5132E-07	2.0133E+18	2.2699E+17
Xe-133	1.7243E+05	9.2120E-04	4.1711E+21	2.3833E+19
Xe-135	5.9781E+04	2.3409E-05	1.0443E+20	8.4683E+18
Cs-134	4.1878E+00	3.2367E-06	1.4546E+19	5.7771E+14
Cs-136	1.1640E+00	1.5882E-08	7.0326E+16	1.6070E+14
Cs-137	2.0576E+00	2.3655E-05	1.0398E+20	2.8384E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 0.6000	Atmosphere	Sump
Noble gases (atoms)	2.2004E+23	0.0000E+00
Elemental I (atoms)	4.1800E+19	0.0000E+00
Organic I (atoms)	1.2928E+18	0.0000E+00

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Aerosols (kg) 2.6908E-05 0.0000E+00
 Dose Effective (Ci/cc) I-131 (Thyroid) 8.0035E-07
 Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid) 1.0034E-06
 Total I (Ci) 6.5570E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 0.6000 Leakage Transport

Noble gases (atoms) 1.0477E+00
 Elemental I (atoms) 2.0075E-04
 Organic I (atoms) 6.2088E-06
 Aerosols (kg) 1.2811E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 0.6000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.9376E+23
Elemental I (atoms)	0.0000E+00	9.4608E+19
Organic I (atoms)	0.0000E+00	2.9260E+18
Aerosols (kg)	0.0000E+00	6.0377E-05

Environment Integral Nuclide Release:

Time (h) = 0.6000	Ci	kg	Atoms	Bq
Kr-85	3.2206E+03	8.2087E-03	5.8158E+22	1.1916E+14
Kr-85m	4.7954E+04	5.8271E-02	4.1284E+23	1.7743E+15
Kr-87	7.7200E+04	2.7254E-06	1.8865E+19	2.8564E+15
Kr-88	1.1891E+05	9.4828E-06	6.4894E+19	4.3996E+15
Rb-86	8.4752E-02	1.0416E-09	7.2938E+15	3.1358E+09
I-131	1.9651E+03	1.5850E-05	7.2865E+19	7.2707E+13
I-132	2.5753E+03	2.4949E-07	1.1382E+18	9.5285E+13
I-133	3.8913E+03	3.4351E-06	1.5554E+19	1.4398E+14
I-134	3.3936E+03	1.2721E-07	5.7170E+17	1.2556E+14
I-135	3.5672E+03	1.0158E-06	4.5311E+18	1.3199E+14
Xe-133	3.7706E+05	2.0144E-03	9.1211E+21	1.3951E+16
Xe-135	1.3336E+05	5.2223E-05	2.3296E+20	4.9345E+15
Cs-134	9.1432E+00	7.0668E-06	3.1759E+19	3.3830E+11
Cs-136	2.5430E+00	3.4697E-08	1.5364E+17	9.4089E+10
Cs-137	4.4923E+00	5.1646E-05	2.2702E+20	1.6621E+11

Environment Transport Group Inventory:

Time (h) = 0.6000	Total Release	Release Rate/s	
Noble gases (atoms)	4.8044E+23	2.2242E+20	
Elemental I (atoms)	9.1820E+19	4.2509E+16	
Organic I (atoms)	2.8398E+18	1.3147E+15	
Aerosols (kg)	5.8749E-05	2.7198E-08	
Dose Effective (Ci) I-131 (Thyroid)			2.7348E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			3.4527E+03
Total I (Ci)			1.5392E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 0.6000 Leakage Transport

Noble gases (atoms) 1.0477E+00
 Elemental I (atoms) 2.0075E-04
 Organic I (atoms) 6.2088E-06
 Aerosols (kg) 1.2811E-28

Normal Environment to TSC Transport Group Inventory:

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	Pathway	
	Filtered	Transported
Time (h) = 0.6000		
Noble gases (atoms)	0.0000E+00	2.7958E+18
Elemental I (atoms)	0.0000E+00	5.3548E+14
Organic I (atoms)	0.0000E+00	1.6561E+13
Aerosols (kg)	0.0000E+00	3.4186E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 0.6000		
Noble gases (atoms)	6.3445E+17	0.0000E+00
Elemental I (atoms)	1.2120E+14	0.0000E+00
Organic I (atoms)	3.7484E+12	0.0000E+00
Aerosols (kg)	7.7582E-11	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 0.6000		
Noble gases (atoms)	0.0000E+00	5.0581E+23
Elemental I (atoms)	0.0000E+00	9.6901E+19
Organic I (atoms)	0.0000E+00	2.9969E+18
Aerosols (kg)	0.0000E+00	6.1850E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.6000	Ci	kg	Atoms	Decay
Kr-85	8.9616E+01	2.2842E-04	1.6183E+21	1.2195E+16
Kr-85m	1.3344E+03	1.6214E-03	1.1488E+22	1.8159E+17
Kr-87	1.8287E+03	6.4561E-08	4.4689E+17	3.0290E+17
Kr-88	3.0815E+03	2.4575E-07	1.6817E+18	4.5746E+17
Rb-86	2.3573E-03	2.8971E-11	2.0287E+14	3.2096E+11
I-131	5.4623E+01	4.4060E-07	2.0255E+18	7.4428E+15
I-132	6.5618E+01	6.3570E-09	2.9002E+16	9.9446E+15
I-133	1.0724E+02	9.4670E-08	4.2866E+17	1.4767E+16
I-134	7.4580E+01	2.7957E-09	1.2564E+16	1.3532E+16
I-135	9.6290E+01	2.7419E-08	1.2231E+17	1.3600E+16
Xe-133	1.0476E+04	5.5965E-05	2.5341E+20	1.4283E+18
Xe-135	3.6318E+03	1.4222E-06	6.3441E+18	5.0741E+17
Cs-134	2.5442E-01	1.9664E-07	8.8372E+17	3.4623E+13
Cs-136	7.0715E-02	9.6486E-10	4.2724E+15	9.6308E+12
Cs-137	1.2500E-01	1.4371E-06	6.3171E+18	1.7011E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.6000	Atmosphere	Sump	
Noble gases (atoms)	1.3368E+22	0.0000E+00	
Elemental I (atoms)	2.5394E+18	0.0000E+00	
Organic I (atoms)	7.8540E+16	0.0000E+00	
Aerosols (kg)	1.6347E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		8.4897E-07
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		1.0643E-06
Total I (Ci)			3.9835E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 0.6000		
Noble gases (atoms)	0.0000E+00	4.9376E+23
Elemental I (atoms)	0.0000E+00	9.4608E+19
Organic I (atoms)	0.0000E+00	2.9260E+18
Aerosols (kg)	0.0000E+00	6.0377E-05

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MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.6000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.0581E+23
Elemental I (atoms)	0.0000E+00	9.6901E+19
Organic I (atoms)	0.0000E+00	2.9969E+18
Aerosols (kg)	0.0000E+00	6.1850E-05

Detailed model information at time (H) = 0.7000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 0.7000	whole Body	Thyroid	TEDE
Delta dose (rem)	3.9098E-02	6.1432E-01	5.8564E-02
Accumulated dose (rem)	4.6805E+00	6.6000E+01	6.7764E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 0.7000	whole Body	Thyroid	TEDE
Delta dose (rem)	3.7635E-02	5.9134E-01	5.6373E-02
Accumulated dose (rem)	2.1425E+00	3.0275E+01	3.1039E+00

TSC Doses:

Time (h) = 0.7000	whole Body	Thyroid	TEDE
Delta dose (rem)	2.0246E-03	8.6671E-01	2.9489E-02
Accumulated dose (rem)	1.0048E-02	4.0682E+00	1.3910E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 0.7000	Ci	kg	Atoms	Decay
Kr-85	1.2121E+03	3.0895E-03	2.1889E+22	2.1964E+17
Kr-85m	1.8048E+04	2.1931E-02	1.5538E+23	3.2704E+18
Kr-87	2.3423E+04	8.2691E-07	5.7239E+18	5.3826E+18
Kr-88	4.0674E+04	3.2438E-06	2.2198E+19	8.1867E+18
Rb-86	3.1879E-02	3.9178E-10	2.7435E+15	5.7802E+12
I-131	7.3855E+02	5.9572E-06	2.7386E+19	1.3403E+17
I-132	8.6118E+02	8.3431E-08	3.8063E+17	1.7772E+17
I-133	1.4457E+03	1.2762E-06	5.7786E+18	2.6571E+17
I-134	9.3205E+02	3.4939E-08	1.5702E+17	2.3922E+17
I-135	1.2888E+03	3.6699E-07	1.6371E+18	2.4425E+17
Xe-133	1.4161E+05	7.5655E-04	3.4256E+21	2.5720E+19
Xe-135	4.8758E+04	1.9093E-05	8.5171E+19	9.1202E+18
Cs-134	3.4411E+00	2.6597E-06	1.1953E+19	6.2355E+14
Cs-136	9.5626E-01	1.3047E-08	5.7775E+16	1.7344E+14
Cs-137	1.6907E+00	1.9438E-05	8.5443E+19	3.0636E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 0.7000	Atmosphere	Sump
Noble gases (atoms)	1.8081E+23	0.0000E+00
Elemental I (atoms)	3.4279E+19	0.0000E+00
Organic I (atoms)	1.0602E+18	0.0000E+00
Aerosols (kg)	2.2111E-05	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		6.5657E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		8.2132E-07
Total I (Ci)		5.2663E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.7000 Leakage Transport

Noble gases (atoms)	1.1310E+00
Elemental I (atoms)	2.1656E-04

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Organic I (atoms) 6.6978E-06
 Aerosols (kg) 1.3829E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 0.7000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.3299E+23
Elemental I (atoms)	0.0000E+00	1.0206E+20
Organic I (atoms)	0.0000E+00	3.1565E+18
Aerosols (kg)	0.0000E+00	6.5174E-05

Environment Integral Nuclide Release:

Time (h) = 0.7000	Ci	kg	Atoms	Bq
Kr-85	3.4995E+03	8.9198E-03	6.3195E+22	1.2948E+14
Kr-85m	5.2108E+04	6.3318E-02	4.4860E+23	1.9280E+15
Kr-87	8.2590E+04	2.9157E-06	2.0183E+19	3.0558E+15
Kr-88	1.2827E+05	1.0229E-05	7.0003E+19	4.7459E+15
Rb-86	9.2089E-02	1.1318E-09	7.9252E+15	3.4073E+09
I-131	2.1350E+03	1.7222E-05	7.9168E+19	7.8996E+13
I-132	2.7735E+03	2.6869E-07	1.2258E+18	1.0262E+14
I-133	4.2240E+03	3.7288E-06	1.6884E+19	1.5629E+14
I-134	3.6081E+03	1.3525E-07	6.0784E+17	1.3350E+14
I-135	3.8638E+03	1.1002E-06	4.9079E+18	1.4296E+14
Xe-133	4.0965E+05	2.1885E-03	9.9095E+21	1.5157E+16
Xe-135	1.4459E+05	5.6618E-05	2.5256E+20	5.3497E+15
Cs-134	9.9352E+00	7.6789E-06	3.4510E+19	3.6760E+11
Cs-136	2.7630E+00	3.7700E-08	1.6694E+17	1.0223E+11
Cs-137	4.8814E+00	5.6120E-05	2.4669E+20	1.8061E+11

Environment Transport Group Inventory:

Time (h) = 0.7000	Total Release	Release Rate/s
Noble gases (atoms)	5.2205E+23	2.0716E+20
Elemental I (atoms)	9.9710E+19	3.9567E+16
Organic I (atoms)	3.0838E+18	1.2237E+15
Aerosols (kg)	6.3837E-05	2.5332E-08
Dose Effective (Ci) I-131 (Thyroid)		2.9701E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		3.7471E+03
Total I (Ci)		1.6604E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.7000 Leakage Transport

Noble gases (atoms) 1.1310E+00
 Elemental I (atoms) 2.1656E-04
 Organic I (atoms) 6.6978E-06
 Aerosols (kg) 1.3829E-28

Normal Environment to TSC Transport Group Inventory:

	Pathway	
Time (h) = 0.7000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	3.0379E+18
Elemental I (atoms)	0.0000E+00	5.8148E+14
Organic I (atoms)	0.0000E+00	1.7984E+13
Aerosols (kg)	0.0000E+00	3.7148E-10

Normal Return TSC to Environment Transport Group Inventory:

Pathway

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Time (h) = 0.7000	Filtered	Transported
Noble gases (atoms)	8.0813E+17	0.0000E+00
Elemental I (atoms)	1.5419E+14	0.0000E+00
Organic I (atoms)	4.7688E+12	0.0000E+00
Aerosols (kg)	9.8821E-11	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.7000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.4742E+23
Elemental I (atoms)	0.0000E+00	1.0481E+20
Organic I (atoms)	0.0000E+00	3.2414E+18
Aerosols (kg)	0.0000E+00	6.6938E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.7000	Ci	kg	Atoms	Decay
Kr-85	7.3638E+01	1.8769E-04	1.3298E+21	1.3176E+16
Kr-85m	1.0965E+03	1.3324E-03	9.4396E+21	1.9619E+17
Kr-87	1.4230E+03	5.0236E-08	3.4774E+17	3.2239E+17
Kr-88	2.4711E+03	1.9707E-07	1.3486E+18	4.9078E+17
Rb-86	1.9367E-03	2.3802E-11	1.6667E+14	3.4676E+11
I-131	4.4868E+01	3.6192E-07	1.6637E+18	8.0406E+15
I-132	5.2319E+01	5.0686E-09	2.3124E+16	1.0652E+16
I-133	8.7830E+01	7.7533E-08	3.5106E+17	1.5939E+16
I-134	5.6624E+01	2.1226E-09	9.5393E+15	1.4317E+16
I-135	7.8298E+01	2.2295E-08	9.9456E+16	1.4648E+16
Xe-133	8.6033E+03	4.5962E-05	2.0811E+20	1.5430E+18
Xe-135	2.9622E+03	1.1599E-06	5.1743E+18	5.4701E+17
Cs-134	2.0906E-01	1.6158E-07	7.2616E+17	3.7408E+13
Cs-136	5.8095E-02	7.9266E-10	3.5099E+15	1.0405E+13
Cs-137	1.0272E-01	1.1809E-06	5.1908E+18	1.8379E+13

MVP Holdup Transport Group Inventory:

Time (h) = 0.7000	Atmosphere	Sump
Noble gases (atoms)	1.0984E+22	0.0000E+00
Elemental I (atoms)	2.0825E+18	0.0000E+00
Organic I (atoms)	6.4408E+16	0.0000E+00
Aerosols (kg)	1.3433E-06	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		6.9646E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		8.7122E-07
Total I (Ci)		3.1994E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 0.7000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.3299E+23
Elemental I (atoms)	0.0000E+00	1.0206E+20
Organic I (atoms)	0.0000E+00	3.1565E+18
Aerosols (kg)	0.0000E+00	6.5174E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.7000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.4742E+23
Elemental I (atoms)	0.0000E+00	1.0481E+20
Organic I (atoms)	0.0000E+00	3.2414E+18
Aerosols (kg)	0.0000E+00	6.6938E-05

Detailed model information at time (H) = 0.8000

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CRDA @ EAB - Condenser Release Doses:

Time (h) =	0.8000	whole Body	Thyroid	TEDE
Delta dose (rem)		3.1275E-02	5.0396E-01	4.7237E-02
Accumulated dose (rem)		4.7118E+00	6.6504E+01	6.8236E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	0.8000	whole Body	Thyroid	TEDE
Delta dose (rem)		3.0105E-02	4.8511E-01	4.5470E-02
Accumulated dose (rem)		2.1726E+00	3.0760E+01	3.1493E+00

TSC Doses:

Time (h) =	0.8000	whole Body	Thyroid	TEDE
Delta dose (rem)		2.0115E-03	8.8310E-01	2.9983E-02
Accumulated dose (rem)		1.2060E-02	4.9513E+00	1.6908E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	0.8000	Ci	kg	Atoms	Decay
Kr-85		9.9600E+02	2.5387E-03	1.7986E+22	2.3290E+17
Kr-85m		1.4830E+04	1.8021E-02	1.2768E+23	3.4679E+18
Kr-87		1.8226E+04	6.4344E-07	4.4539E+18	5.6321E+18
Kr-88		3.2617E+04	2.6012E-06	1.7801E+19	8.6265E+18
Rb-86		2.6191E-02	3.2189E-10	2.2540E+15	6.1291E+12
I-131		6.0666E+02	4.8934E-06	2.2495E+19	1.4211E+17
I-132		6.8664E+02	6.6521E-08	3.0348E+17	1.8700E+17
I-133		1.1840E+03	1.0452E-06	4.7326E+18	2.8151E+17
I-134		7.0766E+02	2.6527E-08	1.1922E+17	2.4903E+17
I-135		1.0480E+03	2.9841E-07	1.3312E+18	2.5828E+17
Xe-133		1.1630E+05	6.2133E-04	2.8133E+21	2.7269E+19
Xe-135		3.9768E+04	1.5572E-05	6.9466E+19	9.6518E+18
Cs-134		2.8276E+00	2.1855E-06	9.8218E+18	6.6121E+14
Cs-136		7.8560E-01	1.0719E-08	4.7464E+16	1.8390E+14
Cs-137		1.3893E+00	1.5972E-05	7.0210E+19	3.2487E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	0.8000	Atmosphere	Sump
Noble gases (atoms)		1.4857E+23	0.0000E+00
Elemental I (atoms)		2.8112E+19	0.0000E+00
Organic I (atoms)		8.6945E+17	0.0000E+00
Aerosols (kg)		1.8169E-05	0.0000E+00
Dose Effective (Ci/cc)	I-131 (Thyroid)		5.3863E-07
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		6.7236E-07
Total I (Ci)			4.2329E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.8000 Leakage Transport

Noble gases (atoms)	1.1994E+00
Elemental I (atoms)	2.2953E-04
Organic I (atoms)	7.0988E-06
Aerosols (kg)	1.4666E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	0.8000	Pathway	
		Filtered	Transported
Noble gases (atoms)		0.0000E+00	5.6522E+23
Elemental I (atoms)		0.0000E+00	1.0817E+20
Organic I (atoms)		0.0000E+00	3.3455E+18

Aerosols (kg) 0.0000E+00 6.9116E-05

Environment Integral Nuclide Release:

Time (h) = 0.8000	Ci	kg	Atoms	Bq
Kr-85	3.7288E+03	9.5041E-03	6.7335E+22	1.3796E+14
Kr-85m	5.5521E+04	6.7466E-02	4.7799E+23	2.0543E+15
Kr-87	8.6785E+04	3.0638E-06	2.1208E+19	3.2110E+15
Kr-88	1.3578E+05	1.0828E-05	7.4100E+19	5.0237E+15
Rb-86	9.8117E-02	1.2058E-09	8.4439E+15	3.6303E+09
I-131	2.2747E+03	1.8348E-05	8.4345E+19	8.4162E+13
I-132	2.9315E+03	2.8400E-07	1.2957E+18	1.0847E+14
I-133	4.4965E+03	3.9694E-06	1.7973E+19	1.6637E+14
I-134	3.7709E+03	1.4136E-07	6.3528E+17	1.3952E+14
I-135	4.1050E+03	1.1689E-06	5.2143E+18	1.5188E+14
Xe-133	4.3642E+05	2.3315E-03	1.0557E+22	1.6148E+16
Xe-135	1.5374E+05	6.0202E-05	2.6855E+20	5.6883E+15
Cs-134	1.0586E+01	8.1819E-06	3.6771E+19	3.9168E+11
Cs-136	2.9438E+00	4.0167E-08	1.7786E+17	1.0892E+11
Cs-137	5.2011E+00	5.9796E-05	2.6285E+20	1.9244E+11

Environment Transport Group Inventory:

Time (h) = 0.8000	Total Release	Release Rate/s
Noble gases (atoms)	5.5624E+23	1.9314E+20
Elemental I (atoms)	1.0618E+20	3.6868E+16
Organic I (atoms)	3.2839E+18	1.1402E+15
Aerosols (kg)	6.8019E-05	2.3618E-08
Dose Effective (Ci) I-131 (Thyroid)		3.1632E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		3.9881E+03
Total I (Ci)		1.7579E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.8000 Leakage Transport

Noble gases (atoms)	1.1994E+00
Elemental I (atoms)	2.2953E-04
Organic I (atoms)	7.0988E-06
Aerosols (kg)	1.4666E-28

Normal Environment to TSC Transport Group Inventory:

Time (h) = 0.8000	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	3.2369E+18
Elemental I (atoms)	0.0000E+00	6.1921E+14
Organic I (atoms)	0.0000E+00	1.9151E+13
Aerosols (kg)	0.0000E+00	3.9581E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 0.8000	Pathway Filtered	Transported
Noble gases (atoms)	9.8529E+17	0.0000E+00
Elemental I (atoms)	1.8778E+14	0.0000E+00
Organic I (atoms)	5.8076E+12	0.0000E+00
Aerosols (kg)	1.2049E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 0.8000	Pathway Filtered	Transported

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Noble gases (atoms)	0.0000E+00	5.8161E+23
Elemental I (atoms)	0.0000E+00	1.1129E+20
Organic I (atoms)	0.0000E+00	3.4419E+18
Aerosols (kg)	0.0000E+00	7.1119E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) =	0.8000				
		Ci	kg	Atoms	Decay
Kr-85		6.0509E+01	1.5423E-04	1.0927E+21	1.3982E+16
Kr-85m		9.0098E+02	1.0948E-03	7.7566E+21	2.0819E+17
Kr-87		1.1073E+03	3.9090E-08	2.7058E+17	3.3754E+17
Kr-88		1.9815E+03	1.5803E-07	1.0814E+18	5.1750E+17
Rb-86		1.5912E-03	1.9555E-11	1.3694E+14	3.6796E+11
I-131		3.6856E+01	2.9728E-07	1.3666E+18	8.5316E+15
I-132		4.1715E+01	4.0413E-09	1.8437E+16	1.1216E+16
I-133		7.1931E+01	6.3498E-08	2.8751E+17	1.6899E+16
I-134		4.2992E+01	1.6116E-09	7.2427E+15	1.4913E+16
I-135		6.3667E+01	1.8129E-08	8.0871E+16	1.5501E+16
Xe-133		7.0656E+03	3.7747E-05	1.7092E+20	1.6371E+18
Xe-135		2.4160E+03	9.4606E-07	4.2202E+18	5.7931E+17
Cs-134		1.7178E-01	1.3277E-07	5.9670E+17	3.9696E+13
Cs-136		4.7727E-02	6.5120E-10	2.8835E+15	1.1041E+13
Cs-137		8.4403E-02	9.7035E-07	4.2654E+18	1.9503E+13

MVP Holdup Transport Group Inventory:

Time (h) =	0.8000	Atmosphere	Sump	
Noble gases (atoms)		9.0258E+21	0.0000E+00	
Elemental I (atoms)		1.7079E+18	0.0000E+00	
Organic I (atoms)		5.2821E+16	0.0000E+00	
Aerosols (kg)		1.1038E-06	0.0000E+00	
Dose Effective (Ci/cc)		I-131 (Thyroid)		5.7135E-07
Dose Effective (Ci/cc)		I-131 (ICRP2 Thyroid)		7.1321E-07
Total I (Ci)				2.5716E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

		Pathway	
Time (h) =	0.8000	Filtered	Transported
Noble gases (atoms)		0.0000E+00	5.6522E+23
Elemental I (atoms)		0.0000E+00	1.0817E+20
Organic I (atoms)		0.0000E+00	3.3455E+18
Aerosols (kg)		0.0000E+00	6.9116E-05

MVP Holdup to Environment Transport Group Inventory:

		Pathway	
Time (h) =	0.8000	Filtered	Transported
Noble gases (atoms)		0.0000E+00	5.8161E+23
Elemental I (atoms)		0.0000E+00	1.1129E+20
Organic I (atoms)		0.0000E+00	3.4419E+18
Aerosols (kg)		0.0000E+00	7.1119E-05

Detailed model information at time (H) = 0.9000

CRDA @ EAB - Condenser Release Doses:

Time (h) =	0.9000	Whole Body	Thyroid	TEDE
Delta dose (rem)		2.5024E-02	4.1343E-01	3.8113E-02
Accumulated dose (rem)		4.7368E+00	6.6918E+01	6.8618E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	0.9000	Whole Body	Thyroid	TEDE
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Delta dose (rem) 2.4088E-02 3.9797E-01 3.6687E-02
 Accumulated dose (rem) 2.1967E+00 3.1158E+01 3.1860E+00

TSC Doses:

Time (h) = 0.9000 whole Body Thyroid TEDE
 Delta dose (rem) 1.9621E-03 8.8322E-01 2.9925E-02
 Accumulated dose (rem) 1.4022E-02 5.8345E+00 1.9901E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	Ci	kg	Atoms	Decay
0.9000				
Kr-85	8.1843E+02	2.0861E-03	1.4779E+22	2.4380E+17
Kr-85m	1.2186E+04	1.4808E-02	1.0491E+23	3.6302E+18
Kr-87	1.4182E+04	5.0067E-07	3.4657E+18	5.8263E+18
Kr-88	2.6156E+04	2.0859E-06	1.4274E+19	8.9792E+18
Rb-86	2.1518E-02	2.6446E-10	1.8519E+15	6.4158E+12
I-131	4.9832E+02	4.0195E-06	1.8478E+19	1.4875E+17
I-132	5.4747E+02	5.3038E-08	2.4197E+17	1.9441E+17
I-133	9.6968E+02	8.5599E-07	3.8759E+18	2.9445E+17
I-134	5.3729E+02	2.0141E-08	9.0515E+16	2.5647E+17
I-135	8.5216E+02	2.4265E-07	1.0824E+18	2.6969E+17
Xe-133	9.5515E+04	5.1028E-04	2.3105E+21	2.8542E+19
Xe-135	3.2435E+04	1.2701E-05	5.6658E+19	1.0085E+19
Cs-134	2.3235E+00	1.7958E-06	8.0707E+18	6.9216E+14
Cs-136	6.4540E-01	8.8059E-09	3.8993E+16	1.9250E+14
Cs-137	1.1416E+00	1.3125E-05	5.7692E+19	3.4007E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	Atmosphere	Sump
0.9000		
Noble gases (atoms)	1.2208E+23	0.0000E+00
Elemental I (atoms)	2.3056E+19	0.0000E+00
Organic I (atoms)	7.1306E+17	0.0000E+00
Aerosols (kg)	1.4930E-05	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		4.4188E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		5.5046E-07
Total I (Ci)		3.4049E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.9000 Leakage Transport

Noble gases (atoms)	1.2556E+00
Elemental I (atoms)	2.4016E-04
Organic I (atoms)	7.4277E-06
Aerosols (kg)	1.5353E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	Pathway	Filtered	Transported
0.9000			
Noble gases (atoms)		0.0000E+00	5.9171E+23
Elemental I (atoms)		0.0000E+00	1.1318E+20
Organic I (atoms)		0.0000E+00	3.5005E+18
Aerosols (kg)		0.0000E+00	7.2354E-05

Environment Integral Nuclide Release:

Time (h) =	Ci	kg	Atoms	Bq
0.9000				
Kr-85	3.9171E+03	9.9842E-03	7.0736E+22	1.4493E+14
Kr-85m	5.8326E+04	7.0874E-02	5.0213E+23	2.1581E+15
Kr-87	9.0049E+04	3.1791E-06	2.2005E+19	3.3318E+15
Kr-88	1.4180E+05	1.1308E-05	7.7385E+19	5.2464E+15
Rb-86	1.0307E-01	1.2667E-09	8.8701E+15	3.8136E+09

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I-131	2.3893E+03	1.9273E-05	8.8598E+19	8.8406E+13
I-132	3.0575E+03	2.9621E-07	1.3514E+18	1.1313E+14
I-133	4.7197E+03	4.1664E-06	1.8865E+19	1.7463E+14
I-134	3.8946E+03	1.4599E-07	6.5611E+17	1.4410E+14
I-135	4.3011E+03	1.2247E-06	5.4634E+18	1.5914E+14
Xe-133	4.5840E+05	2.4490E-03	1.1089E+22	1.6961E+16
Xe-135	1.6120E+05	6.3125E-05	2.8159E+20	5.9645E+15
Cs-134	1.1121E+01	8.5952E-06	3.8628E+19	4.1147E+11
Cs-136	3.0924E+00	4.2193E-08	1.8683E+17	1.1442E+11
Cs-137	5.4639E+00	6.2816E-05	2.7612E+20	2.0216E+11

Environment Transport Group Inventory:

	Total	Release	
Time (h) = 0.9000	Release	Rate/s	
Noble gases (atoms)	5.8434E+23	1.8035E+20	
Elemental I (atoms)	1.1149E+20	3.4409E+16	
Organic I (atoms)	3.4480E+18	1.0642E+15	
Aerosols (kg)	7.1455E-05	2.2054E-08	
Dose Effective (Ci) I-131 (Thyroid)			3.3216E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			4.1854E+03
Total I (Ci)			1.8362E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 0.9000 Leakage Transport

Noble gases (atoms)	1.2556E+00
Elemental I (atoms)	2.4016E-04
Organic I (atoms)	7.4277E-06
Aerosols (kg)	1.5353E-28

Normal Environment to TSC Transport Group Inventory:

	Pathway	
Time (h) = 0.9000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	3.4004E+18
Elemental I (atoms)	0.0000E+00	6.5014E+14
Organic I (atoms)	0.0000E+00	2.0108E+13
Aerosols (kg)	0.0000E+00	4.1581E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.9000	Filtered	Transported
Noble gases (atoms)	1.1627E+18	0.0000E+00
Elemental I (atoms)	2.2135E+14	0.0000E+00
Organic I (atoms)	6.8458E+12	0.0000E+00
Aerosols (kg)	1.4218E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 0.9000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	6.0970E+23
Elemental I (atoms)	0.0000E+00	1.1660E+20
Organic I (atoms)	0.0000E+00	3.6063E+18
Aerosols (kg)	0.0000E+00	7.4555E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 0.9000	Ci	kg	Atoms	Decay
Kr-85	4.9721E+01	1.2673E-04	8.9788E+20	1.4645E+16
Kr-85m	7.4034E+02	8.9962E-04	6.3737E+21	2.1806E+17

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Kr-87	8.6158E+02	3.0417E-08	2.1055E+17	3.4934E+17
Kr-88	1.5890E+03	1.2672E-07	8.6721E+17	5.3892E+17
Rb-86	1.3073E-03	1.6066E-11	1.1250E+14	3.8537E+11
I-131	3.0274E+01	2.4419E-07	1.1226E+18	8.9349E+15
I-132	3.3260E+01	3.2222E-09	1.4700E+16	1.1666E+16
I-133	5.8910E+01	5.2003E-08	2.3547E+17	1.7685E+16
I-134	3.2641E+01	1.2236E-09	5.4990E+15	1.5365E+16
I-135	5.1770E+01	1.4742E-08	6.5760E+16	1.6194E+16
Xe-133	5.8027E+03	3.1000E-05	1.4037E+20	1.7144E+18
Xe-135	1.9705E+03	7.7162E-07	3.4421E+18	6.0565E+17
Cs-134	1.4116E-01	1.0910E-07	4.9031E+17	4.1576E+13
Cs-136	3.9209E-02	5.3498E-10	2.3689E+15	1.1563E+13
Cs-137	6.9355E-02	7.9735E-07	3.5049E+18	2.0427E+13

MVP Holdup Transport Group Inventory:

Time (h) =	0.9000	Atmosphere	Sump	
Noble gases (atoms)	7.4165E+21	0.0000E+00		
Elemental I (atoms)	1.4007E+18	0.0000E+00		
Organic I (atoms)	4.3320E+16	0.0000E+00		
Aerosols (kg)	9.0700E-07	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)			4.6872E-07
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)			5.8390E-07
Total I (Ci)				2.0686E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

		Pathway	
Time (h) =	0.9000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	5.9171E+23	
Elemental I (atoms)	0.0000E+00	1.1318E+20	
Organic I (atoms)	0.0000E+00	3.5005E+18	
Aerosols (kg)	0.0000E+00	7.2354E-05	

MVP Holdup to Environment Transport Group Inventory:

		Pathway	
Time (h) =	0.9000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	6.0970E+23	
Elemental I (atoms)	0.0000E+00	1.1660E+20	
Organic I (atoms)	0.0000E+00	3.6063E+18	
Aerosols (kg)	0.0000E+00	7.4555E-05	

Detailed model information at time (H) = 1.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) =	1.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	2.0027E-02	3.3917E-01	3.0761E-02	
Accumulated dose (rem)	4.7568E+00	6.7257E+01	6.8925E+00	

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	1.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.9278E-02	3.2648E-01	2.9610E-02	
Accumulated dose (rem)	2.2160E+00	3.1484E+01	3.2156E+00	

TSC Doses:

Time (h) =	1.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.8877E-03	8.7101E-01	2.9453E-02	
Accumulated dose (rem)	1.5910E-02	6.7055E+00	2.2846E-01	

DAEC Condenser - CRDA Compartment Nuclide Inventory:

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Time (h) = 1.0000	Ci	kg	Atoms	Decay
Kr-85	6.7251E+02	1.7141E-03	1.2144E+22	2.5276E+17
Kr-85m	1.0014E+04	1.2168E-02	8.6208E+22	3.7636E+18
Kr-87	1.1035E+04	3.8959E-07	2.6967E+18	5.9773E+18
Kr-88	2.0974E+04	1.6727E-06	1.1447E+19	9.2620E+18
Rb-86	1.7679E-02	2.1727E-10	1.5215E+15	6.6513E+12
I-131	4.0933E+02	3.3017E-06	1.5178E+19	1.5420E+17
I-132	4.3651E+02	4.2288E-08	1.9293E+17	2.0031E+17
I-133	7.9414E+02	7.0104E-07	3.1743E+18	3.0504E+17
I-134	4.0793E+02	1.5292E-08	6.8723E+16	2.6213E+17
I-135	6.9292E+02	1.9731E-07	8.8017E+17	2.7897E+17
Xe-133	7.8443E+04	4.1907E-04	1.8975E+21	2.9587E+19
Xe-135	2.6454E+04	1.0359E-05	4.6211E+19	1.0439E+19
Cs-134	1.9092E+00	1.4756E-06	6.6318E+18	7.1759E+14
Cs-136	5.3021E-01	7.2344E-09	3.2034E+16	1.9956E+14
Cs-137	9.3807E-01	1.0785E-05	4.7406E+19	3.5257E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 1.0000	Atmosphere	Sump
Noble gases (atoms)	1.0031E+23	0.0000E+00
Elemental I (atoms)	1.8909E+19	0.0000E+00
Organic I (atoms)	5.8483E+17	0.0000E+00
Aerosols (kg)	1.2268E-05	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		3.6251E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		4.5071E-07
Total I (Ci)		2.7408E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 1.0000 Leakage Transport

Noble gases (atoms)	1.3017E+00
Elemental I (atoms)	2.4888E-04
Organic I (atoms)	7.6974E-06
Aerosols (kg)	1.5918E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 1.0000	Pathway	Filtered	Transported
Noble gases (atoms)		0.0000E+00	6.1347E+23
Elemental I (atoms)		0.0000E+00	1.1729E+20
Organic I (atoms)		0.0000E+00	3.6276E+18
Aerosols (kg)		0.0000E+00	7.5016E-05

Environment Integral Nuclide Release:

Time (h) = 1.0000	Ci	kg	Atoms	Bq
Kr-85	4.0719E+03	1.0379E-02	7.3531E+22	1.5066E+14
Kr-85m	6.0630E+04	7.3674E-02	5.2197E+23	2.2433E+15
Kr-87	9.2589E+04	3.2687E-06	2.2626E+19	3.4258E+15
Kr-88	1.4662E+05	1.1693E-05	8.0020E+19	5.4250E+15
Rb-86	1.0714E-01	1.3167E-09	9.2203E+15	3.9641E+09
I-131	2.4836E+03	2.0033E-05	9.2091E+19	9.1891E+13
I-132	3.1580E+03	3.0594E-07	1.3958E+18	1.1684E+14
I-133	4.9025E+03	4.3277E-06	1.9596E+19	1.8139E+14
I-134	3.9885E+03	1.4951E-07	6.7193E+17	1.4757E+14
I-135	4.4606E+03	1.2702E-06	5.6659E+18	1.6504E+14
Xe-133	4.7646E+05	2.5454E-03	1.1525E+22	1.7629E+16
Xe-135	1.6729E+05	6.5509E-05	2.9223E+20	6.1898E+15
Cs-134	1.1560E+01	8.9348E-06	4.0154E+19	4.2773E+11
Cs-136	3.2144E+00	4.3858E-08	1.9421E+17	1.1893E+11
Cs-137	5.6798E+00	6.5298E-05	2.8703E+20	2.1015E+11

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Environment Transport Group Inventory:

	Total Release	Release Rate/s	
Time (h) = 1.0000			
Noble gases (atoms)	6.0742E+23	1.6873E+20	
Elemental I (atoms)	1.1584E+20	3.2177E+16	
Organic I (atoms)	3.5826E+18	9.9517E+14	
Aerosols (kg)	7.4278E-05	2.0633E-08	
Dose Effective (Ci) I-131 (Thyroid)			3.4515E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			4.3470E+03
Total I (Ci)			1.8993E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 1.0000 Leakage Transport

Noble gases (atoms)	1.3017E+00
Elemental I (atoms)	2.4888E-04
Organic I (atoms)	7.6974E-06
Aerosols (kg)	1.5918E-28

Normal Environment to TSC Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 1.0000		
Noble gases (atoms)	0.0000E+00	3.5347E+18
Elemental I (atoms)	0.0000E+00	6.7552E+14
Organic I (atoms)	0.0000E+00	2.0892E+13
Aerosols (kg)	0.0000E+00	4.3224E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 1.0000		
Noble gases (atoms)	1.3379E+18	0.0000E+00
Elemental I (atoms)	2.5443E+14	0.0000E+00
Organic I (atoms)	7.8690E+12	0.0000E+00
Aerosols (kg)	1.6361E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 1.0000		
Noble gases (atoms)	0.0000E+00	6.3278E+23
Elemental I (atoms)	0.0000E+00	1.2096E+20
Organic I (atoms)	0.0000E+00	3.7411E+18
Aerosols (kg)	0.0000E+00	7.7378E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 1.0000	Ci	kg	Atoms	Decay
Kr-85	4.0857E+01	1.0414E-04	7.3780E+20	1.5189E+16
Kr-85m	6.0835E+02	7.3923E-04	5.2373E+21	2.2616E+17
Kr-87	6.7041E+02	2.3668E-08	1.6383E+17	3.5852E+17
Kr-88	1.2742E+03	1.0162E-07	6.9541E+17	5.5611E+17
Rb-86	1.0740E-03	1.3200E-11	9.2432E+13	3.9968E+11
I-131	2.4868E+01	2.0059E-07	9.2210E+17	9.2662E+15
I-132	2.6519E+01	2.5691E-09	1.1721E+16	1.2025E+16
I-133	4.8246E+01	4.2590E-08	1.9284E+17	1.8328E+16
I-134	2.4783E+01	9.2900E-10	4.1751E+15	1.5709E+16
I-135	4.2097E+01	1.1987E-08	5.3472E+16	1.6758E+16
Xe-133	4.7656E+03	2.5460E-05	1.1528E+20	1.7779E+18
Xe-135	1.6072E+03	6.2934E-07	2.8074E+18	6.2714E+17

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Cs-134	1.1599E-01	8.9649E-08	4.0289E+17	4.3121E+13
Cs-136	3.2212E-02	4.3950E-10	1.9461E+15	1.1992E+13
Cs-137	5.6990E-02	6.5519E-07	2.8800E+18	2.1186E+13

MVP Holdup Transport Group Inventory:

Time (h) =	1.0000	Atmosphere	Sump	
Noble gases (atoms)	6.0941E+21	0.0000E+00		
Elemental I (atoms)	1.1488E+18	0.0000E+00		
Organic I (atoms)	3.5529E+16	0.0000E+00		
Aerosols (kg)	7.4529E-07	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)			3.8453E-07
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)			4.7809E-07
Total I (Ci)				1.6651E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

		Pathway	
Time (h) =	1.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	6.1347E+23	
Elemental I (atoms)	0.0000E+00	1.1729E+20	
Organic I (atoms)	0.0000E+00	3.6276E+18	
Aerosols (kg)	0.0000E+00	7.5016E-05	

MVP Holdup to Environment Transport Group Inventory:

		Pathway	
Time (h) =	1.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	6.3278E+23	
Elemental I (atoms)	0.0000E+00	1.2096E+20	
Organic I (atoms)	0.0000E+00	3.7411E+18	
Aerosols (kg)	0.0000E+00	7.7378E-05	

Detailed model information at time (H) = 1.1000

CRDA @ EAB - Condenser Release Doses:

Time (h) =	1.1000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.6032E-02	2.7825E-01	2.4834E-02	
Accumulated dose (rem)	4.7729E+00	6.7535E+01	6.9173E+00	

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	1.1000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.5432E-02	2.6784E-01	2.3905E-02	
Accumulated dose (rem)	2.2314E+00	3.1752E+01	3.2395E+00	

TSC Doses:

Time (h) =	1.1000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.7968E-03	8.4966E-01	2.8676E-02	
Accumulated dose (rem)	1.7706E-02	7.5552E+00	2.5714E-01	

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	1.1000	Ci	kg	Atoms	Decay
Kr-85	5.5261E+02	1.4085E-03	9.9792E+21	2.6012E+17	
Kr-85m	8.2283E+03	9.9985E-03	7.0838E+22	3.8732E+18	
Kr-87	8.5868E+03	3.0315E-07	2.0984E+18	6.0949E+18	
Kr-88	1.6819E+04	1.3413E-06	9.1791E+18	9.4888E+18	
Rb-86	1.4525E-02	1.7851E-10	1.2500E+15	6.8447E+12	
I-131	3.3623E+02	2.7121E-06	1.2468E+19	1.5868E+17	
I-132	3.4804E+02	3.3717E-08	1.5383E+17	2.0502E+17	
I-133	6.5039E+02	5.7414E-07	2.5996E+18	3.1372E+17	

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I-134	3.0972E+02	1.1610E-08	5.2178E+16	2.6642E+17
I-135	5.6345E+02	1.6044E-07	7.1570E+17	2.8652E+17
Xe-133	6.4422E+04	3.4417E-04	1.5584E+21	3.0446E+19
Xe-135	2.1576E+04	8.4490E-06	3.7690E+19	1.0728E+19
Cs-134	1.5688E+00	1.2126E-06	5.4494E+18	7.3849E+14
Cs-136	4.3559E-01	5.9433E-09	2.6317E+16	2.0537E+14
Cs-137	7.7083E-01	8.8619E-06	3.8954E+19	3.6284E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	1.1000	Atmosphere	Sump	
Noble gases (atoms)	8.2425E+22	0.0000E+00		
Elemental I (atoms)	1.5509E+19	0.0000E+00		
Organic I (atoms)	4.7967E+17	0.0000E+00		
Aerosols (kg)	1.0081E-05	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)			2.9740E-07
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)			3.6906E-07
Total I (Ci)				2.2078E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 1.1000 Leakage Transport

Noble gases (atoms)	1.3397E+00
Elemental I (atoms)	2.5604E-04
Organic I (atoms)	7.9187E-06
Aerosols (kg)	1.6382E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	1.1000	Pathway	
		Filtered	Transported
Noble gases (atoms)	0.0000E+00	6.3135E+23	
Elemental I (atoms)	0.0000E+00	1.2066E+20	
Organic I (atoms)	0.0000E+00	3.7319E+18	
Aerosols (kg)	0.0000E+00	7.7203E-05	

Environment Integral Nuclide Release:

Time (h) =	1.1000	Ci	kg	Atoms	Bq
Kr-85	4.1991E+03	1.0703E-02	7.5828E+22	1.5537E+14	
Kr-85m	6.2524E+04	7.5975E-02	5.3828E+23	2.3134E+15	
Kr-87	9.4565E+04	3.3385E-06	2.3109E+19	3.4989E+15	
Kr-88	1.5049E+05	1.2002E-05	8.2132E+19	5.5683E+15	
Rb-86	1.1048E-01	1.3578E-09	9.5080E+15	4.0878E+09	
I-131	2.5609E+03	2.0657E-05	9.4961E+19	9.4755E+13	
I-132	3.2381E+03	3.1370E-07	1.4312E+18	1.1981E+14	
I-133	5.0522E+03	4.4599E-06	2.0194E+19	1.8693E+14	
I-134	4.0598E+03	1.5218E-07	6.8393E+17	1.5021E+14	
I-135	4.5903E+03	1.3071E-06	5.8307E+18	1.6984E+14	
Xe-133	4.9128E+05	2.6246E-03	1.1884E+22	1.8178E+16	
Xe-135	1.7226E+05	6.7454E-05	3.0090E+20	6.3735E+15	
Cs-134	1.1921E+01	9.2139E-06	4.1409E+19	4.4109E+11	
Cs-136	3.3147E+00	4.5226E-08	2.0026E+17	1.2264E+11	
Cs-137	5.8572E+00	6.7338E-05	2.9600E+20	2.1672E+11	

Environment Transport Group Inventory:

Time (h) =	1.1000	Total Release	Release Rate/s	
Noble gases (atoms)	6.2639E+23	1.5818E+20		
Elemental I (atoms)	1.1941E+20	3.0153E+16		
Organic I (atoms)	3.6930E+18	9.3258E+14		
Aerosols (kg)	7.6599E-05	1.9343E-08		
Dose Effective (Ci)	I-131 (Thyroid)			3.5581E+03

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Dose Effective (Ci) I-131 (ICRP2 Thyroid) 4.4793E+03
 Total I (Ci) 1.9501E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 1.1000 Leakage Transport

Noble gases (atoms) 1.3397E+00
 Elemental I (atoms) 2.5604E-04
 Organic I (atoms) 7.9187E-06
 Aerosols (kg) 1.6382E-28

Normal Environment to TSC Transport Group Inventory:

	Pathway	
Time (h) = 1.1000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	3.6451E+18
Elemental I (atoms)	0.0000E+00	6.9633E+14
Organic I (atoms)	0.0000E+00	2.1536E+13
Aerosols (kg)	0.0000E+00	4.4574E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway	
Time (h) = 1.1000	Filtered	Transported
Noble gases (atoms)	1.5090E+18	0.0000E+00
Elemental I (atoms)	2.8669E+14	0.0000E+00
Organic I (atoms)	8.8667E+12	0.0000E+00
Aerosols (kg)	1.8453E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 1.1000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	6.5175E+23
Elemental I (atoms)	0.0000E+00	1.2454E+20
Organic I (atoms)	0.0000E+00	3.8517E+18
Aerosols (kg)	0.0000E+00	7.9698E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 1.1000	Ci	kg	Atoms	Decay
Kr-85	3.3572E+01	8.5571E-05	6.0626E+20	1.5636E+16
Kr-85m	4.9989E+02	6.0743E-04	4.3036E+21	2.3282E+17
Kr-87	5.2166E+02	1.8417E-08	1.2748E+17	3.6566E+17
Kr-88	1.0218E+03	8.1488E-08	5.5765E+17	5.6988E+17
Rb-86	8.8241E-04	1.0845E-11	7.5941E+13	4.1143E+11
I-131	2.0427E+01	1.6476E-07	7.5743E+17	9.5384E+15
I-132	2.1144E+01	2.0484E-09	9.3453E+15	1.2311E+16
I-133	3.9512E+01	3.4880E-08	1.5793E+17	1.8856E+16
I-134	1.8816E+01	7.0534E-10	3.1699E+15	1.5970E+16
I-135	3.4231E+01	9.7471E-09	4.3480E+16	1.7216E+16
Xe-133	3.9138E+03	2.0909E-05	9.4675E+19	1.8300E+18
Xe-135	1.3108E+03	5.1330E-07	2.2897E+18	6.4466E+17
Cs-134	9.5310E-02	7.3665E-08	3.3106E+17	4.4391E+13
Cs-136	2.6463E-02	3.6107E-10	1.5988E+15	1.2344E+13
Cs-137	4.6829E-02	5.3838E-07	2.3666E+18	2.1810E+13

MVP Holdup Transport Group Inventory:

Time (h) = 1.1000	Atmosphere	Sump
Noble gases (atoms)	5.0075E+21	0.0000E+00
Elemental I (atoms)	9.4222E+17	0.0000E+00
Organic I (atoms)	2.9141E+16	0.0000E+00
Aerosols (kg)	6.1242E-07	0.0000E+00

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Dose Effective (Ci/cc) I-131 (Thyroid) 3.1547E-07
 Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid) 3.9148E-07
 Total I (Ci) 1.3413E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 1.1000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	6.3135E+23
Elemental I (atoms)	0.0000E+00	1.2066E+20
Organic I (atoms)	0.0000E+00	3.7319E+18
Aerosols (kg)	0.0000E+00	7.7203E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 1.1000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	6.5175E+23
Elemental I (atoms)	0.0000E+00	1.2454E+20
Organic I (atoms)	0.0000E+00	3.8517E+18
Aerosols (kg)	0.0000E+00	7.9698E-05

Detailed model information at time (H) = 1.2000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 1.2000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.2837E-02	2.2828E-01	2.0056E-02
Accumulated dose (rem)	4.7857E+00	6.7764E+01	6.9374E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 1.2000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.2357E-02	2.1974E-01	1.9305E-02
Accumulated dose (rem)	2.2438E+00	3.1972E+01	3.2588E+00

TSC Doses:

Time (h) = 1.2000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.6960E-03	8.2168E-01	2.7680E-02
Accumulated dose (rem)	1.9402E-02	8.3769E+00	2.8482E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 1.2000	Ci	kg	Atoms	Decay
Kr-85	4.5409E+02	1.1574E-03	8.2001E+21	2.6617E+17
Kr-85m	6.7613E+03	8.2159E-03	5.8209E+22	3.9633E+18
Kr-87	6.6816E+03	2.3588E-07	1.6328E+18	6.1863E+18
Kr-88	1.3487E+04	1.0756E-06	7.3608E+18	9.6707E+18
Rb-86	1.1933E-02	1.4666E-10	1.0270E+15	7.0037E+12
I-131	2.7619E+02	2.2278E-06	1.0241E+19	1.6236E+17
I-132	2.7750E+02	2.6883E-08	1.2265E+17	2.0877E+17
I-133	5.3265E+02	4.7021E-07	2.1291E+18	3.2083E+17
I-134	2.3515E+02	8.8150E-09	3.9616E+16	2.6968E+17
I-135	4.5816E+02	1.3046E-07	5.8197E+17	2.9265E+17
Xe-133	5.2908E+04	2.8266E-04	1.2798E+21	3.1150E+19
Xe-135	1.7598E+04	6.8911E-06	3.0740E+19	1.0963E+19
Cs-134	1.2891E+00	9.9637E-07	4.4778E+18	7.5566E+14
Cs-136	3.5785E-01	4.8826E-09	2.1620E+16	2.1013E+14
Cs-137	6.3340E-01	7.2820E-06	3.2009E+19	3.7127E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 1.2000	Atmosphere	Sump
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Noble gases (atoms)	6.7728E+22	0.0000E+00	
Elemental I (atoms)	1.2721E+19	0.0000E+00	
Organic I (atoms)	3.9343E+17	0.0000E+00	
Aerosols (kg)	8.2833E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			2.4399E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			3.0222E-07
Total I (Ci)			1.7797E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 1.2000 Leakage Transport

Noble gases (atoms)	1.3709E+00
Elemental I (atoms)	2.6190E-04
Organic I (atoms)	8.1001E-06
Aerosols (kg)	1.6763E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 1.2000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	6.4605E+23
Elemental I (atoms)	0.0000E+00	1.2343E+20
Organic I (atoms)	0.0000E+00	3.8174E+18
Aerosols (kg)	0.0000E+00	7.9000E-05

Environment Integral Nuclide Release:

Time (h) = 1.2000	Ci	kg	Atoms	Bq
Kr-85	4.3036E+03	1.0969E-02	7.7715E+22	1.5923E+14
Kr-85m	6.4080E+04	7.7866E-02	5.5167E+23	2.3710E+15
Kr-87	9.6103E+04	3.3928E-06	2.3485E+19	3.5558E+15
Kr-88	1.5360E+05	1.2249E-05	8.3826E+19	5.6831E+15
Rb-86	1.1323E-01	1.3916E-09	9.7443E+15	4.1894E+09
I-131	2.6245E+03	2.1170E-05	9.7318E+19	9.7106E+13
I-132	3.3019E+03	3.1989E-07	1.4594E+18	1.2217E+14
I-133	5.1748E+03	4.5681E-06	2.0684E+19	1.9147E+14
I-134	4.1139E+03	1.5421E-07	6.9305E+17	1.5221E+14
I-135	4.6957E+03	1.3371E-06	5.9646E+18	1.7374E+14
Xe-133	5.0346E+05	2.6897E-03	1.2179E+22	1.8628E+16
Xe-135	1.7631E+05	6.9040E-05	3.0797E+20	6.5234E+15
Cs-134	1.2218E+01	9.4432E-06	4.2439E+19	4.5206E+11
Cs-136	3.3970E+00	4.6350E-08	2.0524E+17	1.2569E+11
Cs-137	6.0030E+00	6.9014E-05	3.0337E+20	2.2211E+11

Environment Transport Group Inventory:

	Total	Release	
Time (h) = 1.2000	Release	Rate/s	
Noble gases (atoms)	6.4198E+23	1.4861E+20	
Elemental I (atoms)	1.2234E+20	2.8318E+16	
Organic I (atoms)	3.7836E+18	8.7583E+14	
Aerosols (kg)	7.8505E-05	1.8172E-08	
Dose Effective (Ci) I-131 (Thyroid)			3.6456E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			4.5876E+03
Total I (Ci)			1.9911E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 1.2000 Leakage Transport

Noble gases (atoms)	1.3709E+00
Elemental I (atoms)	2.6190E-04
Organic I (atoms)	8.1001E-06
Aerosols (kg)	1.6763E-28

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Normal Environment to TSC Transport Group Inventory:

Time (h) = 1.2000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	3.7358E+18
Elemental I (atoms)	0.0000E+00	7.1339E+14
Organic I (atoms)	0.0000E+00	2.2064E+13
Aerosols (kg)	0.0000E+00	4.5683E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 1.2000	Pathway	
	Filtered	Transported
Noble gases (atoms)	1.6747E+18	0.0000E+00
Elemental I (atoms)	3.1787E+14	0.0000E+00
Organic I (atoms)	9.8311E+12	0.0000E+00
Aerosols (kg)	2.0480E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 1.2000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	6.6734E+23
Elemental I (atoms)	0.0000E+00	1.2747E+20
Organic I (atoms)	0.0000E+00	3.9424E+18
Aerosols (kg)	0.0000E+00	8.1604E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 1.2000	Ci	kg	Atoms	Decay
Kr-85	2.7587E+01	7.0315E-05	4.9817E+20	1.6003E+16
Kr-85m	4.1076E+02	4.9914E-04	3.5363E+21	2.3829E+17
Kr-87	4.0592E+02	1.4330E-08	9.9195E+16	3.7121E+17
Kr-88	8.1938E+02	6.5346E-08	4.4718E+17	5.8093E+17
Rb-86	7.2498E-04	8.9099E-12	6.2392E+13	4.2109E+11
I-131	1.6779E+01	1.3534E-07	6.2217E+17	9.7619E+15
I-132	1.6858E+01	1.6332E-09	7.4512E+15	1.2538E+16
I-133	3.2360E+01	2.8566E-08	1.2934E+17	1.9287E+16
I-134	1.4286E+01	5.3553E-10	2.4067E+15	1.6168E+16
I-135	2.7834E+01	7.9258E-09	3.5356E+16	1.7589E+16
Xe-133	3.2143E+03	1.7172E-05	7.7753E+19	1.8729E+18
Xe-135	1.0691E+03	4.1865E-07	1.8675E+18	6.5896E+17
Cs-134	7.8317E-02	6.0532E-08	2.7204E+17	4.5434E+13
Cs-136	2.1740E-02	2.9663E-10	1.3135E+15	1.2634E+13
Cs-137	3.8480E-02	4.4239E-07	1.9446E+18	2.2323E+13

MVP Holdup Transport Group Inventory:

Time (h) = 1.2000	Atmosphere	Sump	
Noble gases (atoms)	4.1146E+21	0.0000E+00	
Elemental I (atoms)	7.7283E+17	0.0000E+00	
Organic I (atoms)	2.3902E+16	0.0000E+00	
Aerosols (kg)	5.0323E-07	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		2.5881E-07
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		3.2059E-07
Total I (Ci)			1.0812E+02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 1.2000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	6.4605E+23
Elemental I (atoms)	0.0000E+00	1.2343E+20

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Organic I (atoms) 0.0000E+00 3.8174E+18
 Aerosols (kg) 0.0000E+00 7.9000E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 1.2000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	6.6734E+23
Elemental I (atoms)	0.0000E+00	1.2747E+20
Organic I (atoms)	0.0000E+00	3.9424E+18
Aerosols (kg)	0.0000E+00	8.1604E-05

Detailed model information at time (H) = 1.3000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 1.3000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.0281E-02	1.8728E-01	1.6201E-02
Accumulated dose (rem)	4.7960E+00	6.7951E+01	6.9536E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 1.3000	Whole Body	Thyroid	TEDE
Delta dose (rem)	9.8964E-03	1.8027E-01	1.5595E-02
Accumulated dose (rem)	2.2537E+00	3.2152E+01	3.2744E+00

TSC Doses:

Time (h) = 1.3000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.5899E-03	7.8908E-01	2.6534E-02
Accumulated dose (rem)	2.0992E-02	9.1659E+00	3.1135E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 1.3000	Ci	kg	Atoms	Decay
Kr-85	3.7313E+02	9.5105E-04	6.7381E+21	2.7114E+17
Kr-85m	5.5559E+03	6.7511E-03	4.7831E+22	4.0373E+18
Kr-87	5.1991E+03	1.8355E-07	1.2705E+18	6.2575E+18
Kr-88	1.0815E+04	8.6253E-07	5.9026E+18	9.8165E+18
Rb-86	9.8043E-03	1.2049E-10	8.4376E+14	7.1343E+12
I-131	2.2686E+02	1.8299E-06	8.4122E+18	1.6539E+17
I-132	2.2125E+02	2.1435E-08	9.7790E+16	2.1176E+17
I-133	4.3623E+02	3.8509E-07	1.7437E+18	3.2665E+17
I-134	1.7854E+02	6.6927E-09	3.0078E+16	2.7216E+17
I-135	3.7255E+02	1.0608E-07	4.7322E+17	2.9764E+17
Xe-133	4.3451E+04	2.3213E-04	1.0511E+21	3.1729E+19
Xe-135	1.4353E+04	5.6205E-06	2.5072E+19	1.1155E+19
Cs-134	1.0593E+00	8.1873E-07	3.6795E+18	7.6977E+14
Cs-136	2.9398E-01	4.0112E-09	1.7762E+16	2.1405E+14
Cs-137	5.2047E-01	5.9837E-06	2.6303E+19	3.7821E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 1.3000	Atmosphere	Sump
Noble gases (atoms)	5.5652E+22	0.0000E+00
Elemental I (atoms)	1.0434E+19	0.0000E+00
Organic I (atoms)	3.2271E+17	0.0000E+00
Aerosols (kg)	6.8065E-06	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		2.0017E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		2.4751E-07
Total I (Ci)		1.4354E+03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 1.3000 Leakage Transport

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Noble gases (atoms) 1.3965E+00
 Elemental I (atoms) 2.6672E-04
 Organic I (atoms) 8.2489E-06
 Aerosols (kg) 1.7076E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 1.3000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	6.5812E+23
Elemental I (atoms)	0.0000E+00	1.2570E+20
Organic I (atoms)	0.0000E+00	3.8875E+18
Aerosols (kg)	0.0000E+00	8.0477E-05

Environment Integral Nuclide Release:

Time (h) = 1.3000	Ci	kg	Atoms	Bq
Kr-85	4.3895E+03	1.1188E-02	7.9266E+22	1.6241E+14
Kr-85m	6.5359E+04	7.9420E-02	5.6268E+23	2.4183E+15
Kr-87	9.7299E+04	3.4350E-06	2.3777E+19	3.6001E+15
Kr-88	1.5609E+05	1.2448E-05	8.5185E+19	5.7752E+15
Rb-86	1.1548E-01	1.4193E-09	9.9385E+15	4.2729E+09
I-131	2.6767E+03	2.1591E-05	9.9254E+19	9.9038E+13
I-132	3.3528E+03	3.2482E-07	1.4819E+18	1.2406E+14
I-133	5.2752E+03	4.6567E-06	2.1085E+19	1.9518E+14
I-134	4.1550E+03	1.5575E-07	6.9997E+17	1.5373E+14
I-135	4.7815E+03	1.3615E-06	6.0735E+18	1.7691E+14
Xe-133	5.1346E+05	2.7431E-03	1.2421E+22	1.8998E+16
Xe-135	1.7961E+05	7.0333E-05	3.1374E+20	6.6456E+15
Cs-134	1.2462E+01	9.6317E-06	4.3286E+19	4.6108E+11
Cs-136	3.4647E+00	4.7273E-08	2.0933E+17	1.2819E+11
Cs-137	6.1227E+00	7.0391E-05	3.0942E+20	2.2654E+11

Environment Transport Group Inventory:

Time (h) = 1.3000	Total Release	Release Rate/s	
Noble gases (atoms)	6.5479E+23	1.3991E+20	
Elemental I (atoms)	1.2474E+20	2.6653E+16	
Organic I (atoms)	3.8578E+18	8.2432E+14	
Aerosols (kg)	8.0071E-05	1.7109E-08	
Dose Effective (Ci) I-131 (Thyroid)			3.7173E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			4.6763E+03
Total I (Ci)			2.0241E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 1.3000 Leakage Transport

Noble gases (atoms) 1.3965E+00
 Elemental I (atoms) 2.6672E-04
 Organic I (atoms) 8.2489E-06
 Aerosols (kg) 1.7076E-28

Normal Environment to TSC Transport Group Inventory:

Time (h) = 1.3000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	3.8104E+18
Elemental I (atoms)	0.0000E+00	7.2739E+14
Organic I (atoms)	0.0000E+00	2.2497E+13
Aerosols (kg)	0.0000E+00	4.6595E-10

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Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 1.3000	Pathway	
	Filtered	Transported
Noble gases (atoms)	1.8341E+18	0.0000E+00
Elemental I (atoms)	3.4781E+14	0.0000E+00
Organic I (atoms)	1.0757E+13	0.0000E+00
Aerosols (kg)	2.2429E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 1.3000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	6.8015E+23
Elemental I (atoms)	0.0000E+00	1.2988E+20
Organic I (atoms)	0.0000E+00	4.0168E+18
Aerosols (kg)	0.0000E+00	8.3170E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 1.3000	Ci	kg	Atoms	Decay
Kr-85	2.2669E+01	5.7779E-05	4.0935E+20	1.6305E+16
Kr-85m	3.3753E+02	4.1015E-04	2.9058E+21	2.4279E+17
Kr-87	3.1586E+02	1.1151E-08	7.7186E+16	3.7554E+17
Kr-88	6.5706E+02	5.2401E-08	3.5860E+17	5.8979E+17
Rb-86	5.9563E-04	7.3203E-12	5.1260E+13	4.2903E+11
I-131	1.3782E+01	1.1117E-07	5.1106E+17	9.9455E+15
I-132	1.3442E+01	1.3022E-09	5.9410E+15	1.2720E+16
I-133	2.6502E+01	2.3395E-08	1.0593E+17	1.9641E+16
I-134	1.0847E+01	4.0660E-10	1.8273E+15	1.6318E+16
I-135	2.2633E+01	6.4448E-09	2.8749E+16	1.7892E+16
Xe-133	2.6398E+03	1.4103E-05	6.3856E+19	1.9080E+18
Xe-135	8.7198E+02	3.4145E-07	1.5232E+18	6.7061E+17
Cs-134	6.4354E-02	4.9739E-08	2.2354E+17	4.6291E+13
Cs-136	1.7860E-02	2.4369E-10	1.0791E+15	1.2872E+13
Cs-137	3.1620E-02	3.6352E-07	1.5979E+18	2.2744E+13

MVP Holdup Transport Group Inventory:

Time (h) = 1.3000	Atmosphere	Sump	
Noble gases (atoms)	3.3810E+21	0.0000E+00	
Elemental I (atoms)	6.3390E+17	0.0000E+00	
Organic I (atoms)	1.9605E+16	0.0000E+00	
Aerosols (kg)	4.1351E-07	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			2.1234E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.6255E-07
Total I (Ci)			8.7206E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 1.3000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	6.5812E+23
Elemental I (atoms)	0.0000E+00	1.2570E+20
Organic I (atoms)	0.0000E+00	3.8875E+18
Aerosols (kg)	0.0000E+00	8.0477E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 1.3000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	6.8015E+23
Elemental I (atoms)	0.0000E+00	1.2988E+20
Organic I (atoms)	0.0000E+00	4.0168E+18

Aerosols (kg) 0.0000E+00 8.3170E-05

Detailed model information at time (H) = 1.4000

CRDA @ EAB - Condenser Release Doses:

Time (h) =	1.4000	whole Body	Thyroid	TEDE
Delta dose (rem)	8.2360E-03	1.5365E-01	1.3091E-02	
Accumulated dose (rem)	4.8042E+00	6.8104E+01	6.9667E+00	

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	1.4000	whole Body	Thyroid	TEDE
Delta dose (rem)	7.9279E-03	1.4790E-01	1.2602E-02	
Accumulated dose (rem)	2.2616E+00	3.2300E+01	3.2870E+00	

TSC Doses:

Time (h) =	1.4000	whole Body	Thyroid	TEDE
Delta dose (rem)	1.4824E-03	7.5344E-01	2.5291E-02	
Accumulated dose (rem)	2.2475E-02	9.9194E+00	3.3664E-01	

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	Ci	kg	Atoms	Decay
Kr-85	3.0661E+02	7.8149E-04	5.5368E+21	2.7522E+17
Kr-85m	4.5653E+03	5.5475E-03	3.9303E+22	4.0981E+18
Kr-87	4.0455E+03	1.4282E-07	9.8861E+17	6.3129E+18
Kr-88	8.6729E+03	6.9166E-07	4.7333E+18	9.9335E+18
Rb-86	8.0551E-03	9.8996E-11	6.9322E+14	7.2416E+12
I-131	1.8635E+02	1.5031E-06	6.9100E+18	1.6787E+17
I-132	1.7641E+02	1.7090E-08	7.7970E+16	2.1415E+17
I-133	3.5727E+02	3.1538E-07	1.4280E+18	3.3142E+17
I-134	1.3556E+02	5.0814E-09	2.2837E+16	2.7404E+17
I-135	3.0294E+02	8.6261E-08	3.8480E+17	3.0170E+17
Xe-133	3.5685E+04	1.9064E-04	8.6322E+20	3.2205E+19
Xe-135	1.1707E+04	4.5841E-06	2.0449E+19	1.1311E+19
Cs-134	8.7043E-01	6.7276E-07	3.0235E+18	7.8136E+14
Cs-136	2.4152E-01	3.2953E-09	1.4592E+16	2.1727E+14
Cs-137	4.2768E-01	4.9169E-06	2.1613E+19	3.8390E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	1.4000	Atmosphere	Sump	
Noble gases (atoms)	4.5729E+22	0.0000E+00		
Elemental I (atoms)	8.5589E+18	0.0000E+00		
Organic I (atoms)	2.6471E+17	0.0000E+00		
Aerosols (kg)	5.5930E-06	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.6423E-07	
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.0272E-07	
Total I (Ci)			1.1585E+03	

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 1.4000 Leakage Transport

Noble gases (atoms)	1.4175E+00
Elemental I (atoms)	2.7066E-04
Organic I (atoms)	8.3710E-06
Aerosols (kg)	1.7334E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	1.4000	Pathway	
		Filtered	Transported

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Noble gases (atoms)	0.0000E+00	6.6804E+23
Elemental I (atoms)	0.0000E+00	1.2756E+20
Organic I (atoms)	0.0000E+00	3.9450E+18
Aerosols (kg)	0.0000E+00	8.1690E-05

Environment Integral Nuclide Release:

Time (h) =	1.4000			
	Ci	kg	Atoms	Bq
Kr-85	4.4600E+03	1.1368E-02	8.0541E+22	1.6502E+14
Kr-85m	6.6410E+04	8.0697E-02	5.7173E+23	2.4572E+15
Kr-87	9.8230E+04	3.4679E-06	2.4005E+19	3.6345E+15
Kr-88	1.5808E+05	1.2607E-05	8.6274E+19	5.8491E+15
Rb-86	1.1734E-01	1.4421E-09	1.0098E+16	4.3415E+09
I-131	2.7196E+03	2.1937E-05	1.0084E+20	1.0063E+14
I-132	3.3934E+03	3.2875E-07	1.4998E+18	1.2556E+14
I-133	5.3574E+03	4.7293E-06	2.1414E+19	1.9822E+14
I-134	4.1862E+03	1.5692E-07	7.0523E+17	1.5489E+14
I-135	4.8512E+03	1.3814E-06	6.1621E+18	1.7949E+14
Xe-133	5.2167E+05	2.7870E-03	1.2619E+22	1.9302E+16
Xe-135	1.8231E+05	7.1388E-05	3.1845E+20	6.7453E+15
Cs-134	1.2662E+01	9.7865E-06	4.3982E+19	4.6850E+11
Cs-136	3.5203E+00	4.8031E-08	2.1269E+17	1.3025E+11
Cs-137	6.2212E+00	7.1523E-05	3.1439E+20	2.3018E+11

Environment Transport Group Inventory:

Time (h) =	1.4000	Total Release	Release Rate/s
Noble gases (atoms)		6.6532E+23	1.3201E+20
Elemental I (atoms)		1.2671E+20	2.5140E+16
Organic I (atoms)		3.9188E+18	7.7753E+14
Aerosols (kg)		8.1359E-05	1.6143E-08
Dose Effective (Ci) I-131 (Thyroid)			3.7762E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			4.7490E+03
Total I (Ci)			2.0508E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 1.4000 Leakage Transport

Noble gases (atoms)	1.4175E+00
Elemental I (atoms)	2.7066E-04
Organic I (atoms)	8.3710E-06
Aerosols (kg)	1.7334E-28

Normal Environment to TSC Transport Group Inventory:

Time (h) =	1.4000	Pathway	Filtered	Transported
Noble gases (atoms)			0.0000E+00	3.8716E+18
Elemental I (atoms)			0.0000E+00	7.3888E+14
Organic I (atoms)			0.0000E+00	2.2852E+13
Aerosols (kg)			0.0000E+00	4.7344E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) =	1.4000	Pathway	Filtered	Transported
Noble gases (atoms)			1.9865E+18	0.0000E+00
Elemental I (atoms)			3.7638E+14	0.0000E+00
Organic I (atoms)			1.1641E+13	0.0000E+00
Aerosols (kg)			2.4293E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

CRDA GAP MVP TSC.o0

Time (h) = 1.4000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	6.9067E+23
Elemental I (atoms)	0.0000E+00	1.3185E+20
Organic I (atoms)	0.0000E+00	4.0778E+18
Aerosols (kg)	0.0000E+00	8.4457E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 1.4000	Ci	kg	Atoms	Decay
Kr-85	1.8627E+01	4.7477E-05	3.3637E+20	1.6553E+16
Kr-85m	2.7735E+02	3.3702E-04	2.3878E+21	2.4648E+17
Kr-87	2.4577E+02	8.6768E-09	6.0060E+16	3.7890E+17
Kr-88	5.2690E+02	4.2020E-08	2.8756E+17	5.9690E+17
Rb-86	4.8936E-04	6.0143E-12	4.2115E+13	4.3555E+11
I-131	1.1321E+01	9.1318E-08	4.1979E+17	1.0096E+16
I-132	1.0717E+01	1.0383E-09	4.7368E+15	1.2865E+16
I-133	2.1705E+01	1.9160E-08	8.6755E+16	1.9931E+16
I-134	8.2353E+00	3.0871E-10	1.3874E+15	1.6432E+16
I-135	1.8404E+01	5.2405E-09	2.3377E+16	1.8138E+16
Xe-133	2.1680E+03	1.1582E-05	5.2443E+19	1.9369E+18
Xe-135	7.1120E+02	2.7849E-07	1.2423E+18	6.8012E+17
Cs-134	5.2881E-02	4.0871E-08	1.8368E+17	4.6995E+13
Cs-136	1.4673E-02	2.0020E-10	8.8649E+14	1.3067E+13
Cs-137	2.5982E-02	2.9871E-07	1.3130E+18	2.3090E+13

MVP Holdup Transport Group Inventory:

Time (h) = 1.4000	Atmosphere	Sump
Noble gases (atoms)	2.7782E+21	0.0000E+00
Elemental I (atoms)	5.1997E+17	0.0000E+00
Organic I (atoms)	1.6082E+16	0.0000E+00
Aerosols (kg)	3.3979E-07	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.7421E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		2.1503E-07
Total I (Ci)		7.0382E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 1.4000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	6.6804E+23
Elemental I (atoms)	0.0000E+00	1.2756E+20
Organic I (atoms)	0.0000E+00	3.9450E+18
Aerosols (kg)	0.0000E+00	8.1690E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 1.4000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	6.9067E+23
Elemental I (atoms)	0.0000E+00	1.3185E+20
Organic I (atoms)	0.0000E+00	4.0778E+18
Aerosols (kg)	0.0000E+00	8.4457E-05

Detailed model information at time (H) = 1.5000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 1.5000	Whole Body	Thyroid	TEDE
Delta dose (rem)	6.5992E-03	1.2606E-01	1.0581E-02
Accumulated dose (rem)	4.8108E+00	6.8231E+01	6.9773E+00

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CRDA @ LPZ - Condenser Release Doses:

Time (h) =	1.5000	Whole Body	Thyroid	TEDE
Delta dose (rem)		6.3523E-03	1.2134E-01	1.0186E-02
Accumulated dose (rem)		2.2679E+00	3.2421E+01	3.2972E+00

TSC Doses:

Time (h) =	1.5000	Whole Body	Thyroid	TEDE
Delta dose (rem)		1.3758E-03	7.1598E-01	2.3994E-02
Accumulated dose (rem)		2.3850E-02	1.0635E+01	3.6063E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	1.5000	Ci	kg	Atoms	Decay
Kr-85		2.5194E+02	6.4216E-04	4.5496E+21	2.7858E+17
Kr-85m		3.7514E+03	4.5584E-03	3.2296E+22	4.1480E+18
Kr-87		3.1479E+03	1.1113E-07	7.6926E+17	6.3560E+18
Kr-88		6.9548E+03	5.5465E-07	3.7956E+18	1.0027E+19
Rb-86		6.6179E-03	8.1334E-11	5.6954E+14	7.3298E+12
I-131		1.5307E+02	1.2347E-06	5.6760E+18	1.6991E+17
I-132		1.4065E+02	1.3626E-08	6.2167E+16	2.1605E+17
I-133		2.9259E+02	2.5829E-07	1.1695E+18	3.3532E+17
I-134		1.0292E+02	3.8580E-09	1.7339E+16	2.7546E+17
I-135		2.4633E+02	7.0142E-08	3.1289E+17	3.0499E+17
Xe-133		2.9307E+04	1.5657E-04	7.0894E+20	3.2595E+19
Xe-135		9.5479E+03	3.7388E-06	1.6678E+19	1.1439E+19
Cs-134		7.1524E-01	5.5281E-07	2.4844E+18	7.9089E+14
Cs-136		1.9841E-01	2.7072E-09	1.1988E+16	2.1991E+14
Cs-137		3.5143E-01	4.0403E-06	1.7760E+19	3.8858E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	1.5000	Atmosphere	Sump
Noble gases (atoms)		3.7576E+22	0.0000E+00
Elemental I (atoms)		7.0207E+18	0.0000E+00
Organic I (atoms)		2.1714E+17	0.0000E+00
Aerosols (kg)		4.5959E-06	0.0000E+00
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.3474E-07
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		1.6604E-07
Total I (Ci)			9.3557E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 1.5000 Leakage Transport

Noble gases (atoms)	1.4348E+00
Elemental I (atoms)	2.7390E-04
Organic I (atoms)	8.4711E-06
Aerosols (kg)	1.7545E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	1.5000	Pathway	
		Filtered	Transported
Noble gases (atoms)		0.0000E+00	6.7619E+23
Elemental I (atoms)		0.0000E+00	1.2908E+20
Organic I (atoms)		0.0000E+00	3.9922E+18
Aerosols (kg)		0.0000E+00	8.2687E-05

Environment Integral Nuclide Release:

Time (h) =	1.5000	Ci	kg	Atoms	Bq
Kr-85		4.5180E+03	1.1516E-02	8.1588E+22	1.6717E+14
Kr-85m		6.7273E+04	8.1746E-02	5.7916E+23	2.4891E+15

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Kr-87	9.8955E+04	3.4935E-06	2.4182E+19	3.6613E+15
Kr-88	1.5968E+05	1.2735E-05	8.7148E+19	5.9083E+15
Rb-86	1.1886E-01	1.4608E-09	1.0229E+16	4.3978E+09
I-131	2.7548E+03	2.2221E-05	1.0215E+20	1.0193E+14
I-132	3.4258E+03	3.3189E-07	1.5142E+18	1.2676E+14
I-133	5.4247E+03	4.7887E-06	2.1683E+19	2.0072E+14
I-134	4.2099E+03	1.5781E-07	7.0922E+17	1.5576E+14
I-135	4.9079E+03	1.3975E-06	6.2341E+18	1.8159E+14
Xe-133	5.2842E+05	2.8230E-03	1.2782E+22	1.9552E+16
Xe-135	1.8450E+05	7.2249E-05	3.2229E+20	6.8266E+15
Cs-134	1.2827E+01	9.9137E-06	4.4554E+19	4.7459E+11
Cs-136	3.5659E+00	4.8654E-08	2.1544E+17	1.3194E+11
Cs-137	6.3021E+00	7.2453E-05	3.1848E+20	2.3318E+11

Environment Transport Group Inventory:

	Total	Release	
Time (h) = 1.5000	Release	Rate/s	
Noble gases (atoms)	6.7396E+23	1.2481E+20	
Elemental I (atoms)	1.2832E+20	2.3763E+16	
Organic I (atoms)	3.9687E+18	7.3495E+14	
Aerosols (kg)	8.2416E-05	1.5262E-08	
Dose Effective (Ci) I-131 (Thyroid)			3.8245E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			4.8085E+03
Total I (Ci)			2.0723E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 1.5000 Leakage Transport

Noble gases (atoms)	1.4348E+00
Elemental I (atoms)	2.7390E-04
Organic I (atoms)	8.4711E-06
Aerosols (kg)	1.7545E-28

Normal Environment to TSC Transport Group Inventory:

	Pathway	
Time (h) = 1.5000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	3.9219E+18
Elemental I (atoms)	0.0000E+00	7.4830E+14
Organic I (atoms)	0.0000E+00	2.3143E+13
Aerosols (kg)	0.0000E+00	4.7959E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway	
Time (h) = 1.5000	Filtered	Transported
Noble gases (atoms)	2.1315E+18	0.0000E+00
Elemental I (atoms)	4.0352E+14	0.0000E+00
Organic I (atoms)	1.2480E+13	0.0000E+00
Aerosols (kg)	2.6067E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 1.5000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	6.9932E+23
Elemental I (atoms)	0.0000E+00	1.3347E+20
Organic I (atoms)	0.0000E+00	4.1279E+18
Aerosols (kg)	0.0000E+00	8.5515E-05

MVP Holdup Compartment Nuclide Inventory:

CRDA GAP MVP TSC.o0

Time (h) =	1.5000	Ci	kg	Atoms	Decay
Kr-85		1.5306E+01	3.9013E-05	2.7640E+20	1.6757E+16
Kr-85m		2.2790E+02	2.7693E-04	1.9620E+21	2.4952E+17
Kr-87		1.9124E+02	6.7516E-09	4.6734E+16	3.8152E+17
Kr-88		4.2252E+02	3.3696E-08	2.3059E+17	6.0259E+17
Rb-86		4.0205E-04	4.9412E-12	3.4601E+13	4.4090E+11
I-131		9.2994E+00	7.5010E-08	3.4483E+17	1.0220E+16
I-132		8.5450E+00	8.2783E-10	3.7768E+15	1.2981E+16
I-133		1.7776E+01	1.5692E-08	7.1051E+16	2.0168E+16
I-134		6.2526E+00	2.3438E-10	1.0534E+15	1.6519E+16
I-135		1.4965E+01	4.2613E-09	1.9009E+16	1.8339E+16
Xe-133		1.7805E+03	9.5119E-06	4.3069E+19	1.9607E+18
Xe-135		5.8006E+02	2.2714E-07	1.0132E+18	6.8788E+17
Cs-134		4.3452E-02	3.3584E-08	1.5093E+17	4.7574E+13
Cs-136		1.2054E-02	1.6447E-10	7.2828E+14	1.3228E+13
Cs-137		2.1350E-02	2.4545E-07	1.0789E+18	2.3374E+13

MVP Holdup Transport Group Inventory:

Time (h) =	1.5000	Atmosphere	Sump
Noble gases (atoms)		2.2828E+21	0.0000E+00
Elemental I (atoms)		4.2653E+17	0.0000E+00
Organic I (atoms)		1.3192E+16	0.0000E+00
Aerosols (kg)		2.7921E-07	0.0000E+00
Dose Effective (Ci/cc)		I-131 (Thyroid)	1.4292E-07
Dose Effective (Ci/cc)		I-131 (ICRP2 Thyroid)	1.7613E-07
Total I (Ci)			5.6838E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	1.5000	Pathway	
		Filtered	Transported
Noble gases (atoms)		0.0000E+00	6.7619E+23
Elemental I (atoms)		0.0000E+00	1.2908E+20
Organic I (atoms)		0.0000E+00	3.9922E+18
Aerosols (kg)		0.0000E+00	8.2687E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) =	1.5000	Pathway	
		Filtered	Transported
Noble gases (atoms)		0.0000E+00	6.9932E+23
Elemental I (atoms)		0.0000E+00	1.3347E+20
Organic I (atoms)		0.0000E+00	4.1279E+18
Aerosols (kg)		0.0000E+00	8.5515E-05

Detailed model information at time (H) = 1.6000

CRDA @ EAB - Condenser Release Doses:

Time (h) =	1.6000	Whole Body	Thyroid	TEDE
Delta dose (rem)		5.2890E-03	1.0342E-01	8.5550E-03
Accumulated dose (rem)		4.8161E+00	6.8334E+01	6.9858E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	1.6000	Whole Body	Thyroid	TEDE
Delta dose (rem)		5.0911E-03	9.9553E-02	8.2349E-03
Accumulated dose (rem)		2.2730E+00	3.2521E+01	3.3055E+00

TSC Doses:

Time (h) =	1.6000	Whole Body	Thyroid	TEDE
Delta dose (rem)		1.2720E-03	6.7768E-01	2.2673E-02

Accumulated dose (rem) 2.5122E-02 1.1313E+01 3.8331E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	Ci	kg	Atoms	Decay
1.6000				
Kr-85	2.0702E+02	5.2767E-04	3.7385E+21	2.8134E+17
Kr-85m	3.0825E+03	3.7457E-03	2.6538E+22	4.1891E+18
Kr-87	2.4495E+03	8.6475E-08	5.9858E+17	6.3895E+18
Kr-88	5.5771E+03	4.4477E-07	3.0437E+18	1.0102E+19
Rb-86	5.4372E-03	6.6823E-11	4.6793E+14	7.4022E+12
I-131	1.2574E+02	1.0142E-06	4.6623E+18	1.7158E+17
I-132	1.1215E+02	1.0865E-08	4.9567E+16	2.1757E+17
I-133	2.3963E+02	2.1153E-07	9.5781E+17	3.3852E+17
I-134	7.8142E+01	2.9292E-09	1.3164E+16	2.7654E+17
I-135	2.0030E+02	5.7036E-08	2.5443E+17	3.0768E+17
Xe-133	2.4069E+04	1.2859E-04	5.8222E+20	3.2916E+19
Xe-135	7.7874E+03	3.0494E-06	1.3603E+19	1.1543E+19
Cs-134	5.8772E-01	4.5425E-07	2.0415E+18	7.9872E+14
Cs-136	1.6300E-01	2.2241E-09	9.8483E+15	2.2208E+14
Cs-137	2.8877E-01	3.3199E-06	1.4593E+19	3.9243E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	Atmosphere	Sump
1.6000		
Noble gases (atoms)	3.0876E+22	0.0000E+00
Elemental I (atoms)	5.7592E+18	0.0000E+00
Organic I (atoms)	1.7812E+17	0.0000E+00
Aerosols (kg)	3.7765E-06	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.1055E-07
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		1.3601E-07
Total I (Ci)		7.5595E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 1.6000 Leakage Transport

Noble gases (atoms)	1.4490E+00
Elemental I (atoms)	2.7656E-04
Organic I (atoms)	8.5533E-06
Aerosols (kg)	1.7719E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	Pathway	Filtered	Transported
1.6000			
Noble gases (atoms)	0.0000E+00	6.8289E+23	
Elemental I (atoms)	0.0000E+00	1.3033E+20	
Organic I (atoms)	0.0000E+00	4.0309E+18	
Aerosols (kg)	0.0000E+00	8.3506E-05	

Environment Integral Nuclide Release:

Time (h) =	Ci	kg	Atoms	Bq
1.6000				
Kr-85	4.5657E+03	1.1637E-02	8.2448E+22	1.6893E+14
Kr-85m	6.7983E+04	8.2608E-02	5.8527E+23	2.5154E+15
Kr-87	9.9519E+04	3.5134E-06	2.4320E+19	3.6822E+15
Kr-88	1.6097E+05	1.2837E-05	8.7848E+19	5.9558E+15
Rb-86	1.2011E-01	1.4762E-09	1.0337E+16	4.4441E+09
I-131	2.7838E+03	2.2454E-05	1.0322E+20	1.0300E+14
I-132	3.4516E+03	3.3439E-07	1.5256E+18	1.2771E+14
I-133	5.4799E+03	4.8374E-06	2.1904E+19	2.0276E+14
I-134	4.2278E+03	1.5848E-07	7.1225E+17	1.5643E+14
I-135	4.9540E+03	1.4106E-06	6.2926E+18	1.8330E+14
Xe-133	5.3396E+05	2.8526E-03	1.2916E+22	1.9756E+16
Xe-135	1.8630E+05	7.2950E-05	3.2542E+20	6.8929E+15

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Cs-134	1.2962E+01	1.0018E-05	4.5023E+19	4.7959E+11
Cs-136	3.6034E+00	4.9166E-08	2.1771E+17	1.3333E+11
Cs-137	6.3685E+00	7.3217E-05	3.2184E+20	2.3564E+11

Environment Transport Group Inventory:

Time (h) =	1.6000	Total	Release	
		Release	Rate/s	
Noble gases (atoms)		6.8107E+23	1.1824E+20	
Elemental I (atoms)		1.2965E+20	2.2508E+16	
Organic I (atoms)		4.0097E+18	6.9613E+14	
Aerosols (kg)		8.3286E-05	1.4459E-08	
Dose Effective (Ci) I-131 (Thyroid)				3.8641E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)				4.8572E+03
Total I (Ci)				2.0897E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 1.6000 Leakage Transport

Noble gases (atoms)	1.4490E+00
Elemental I (atoms)	2.7656E-04
Organic I (atoms)	8.5533E-06
Aerosols (kg)	1.7719E-28

Normal Environment to TSC Transport Group Inventory:

Time (h) =	1.6000	Pathway	
		Filtered	Transported
Noble gases (atoms)		0.0000E+00	3.9633E+18
Elemental I (atoms)		0.0000E+00	7.5602E+14
Organic I (atoms)		0.0000E+00	2.3382E+13
Aerosols (kg)		0.0000E+00	4.8465E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) =	1.6000	Pathway	
		Filtered	Transported
Noble gases (atoms)		2.2690E+18	0.0000E+00
Elemental I (atoms)		4.2920E+14	0.0000E+00
Organic I (atoms)		1.3274E+13	0.0000E+00
Aerosols (kg)		2.7748E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) =	1.6000	Pathway	
		Filtered	Transported
Noble gases (atoms)		0.0000E+00	7.0642E+23
Elemental I (atoms)		0.0000E+00	1.3480E+20
Organic I (atoms)		0.0000E+00	4.1690E+18
Aerosols (kg)		0.0000E+00	8.6384E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) =	1.6000	Ci	kg	Atoms	Decay
Kr-85		1.2577E+01	3.2057E-05	2.2712E+20	1.6925E+16
Kr-85m		1.8727E+02	2.2756E-04	1.6122E+21	2.5201E+17
Kr-87		1.4881E+02	5.2536E-09	3.6365E+16	3.8356E+17
Kr-88		3.3882E+02	2.7021E-08	1.8491E+17	6.0716E+17
Rb-86		3.3032E-04	4.0596E-12	2.8428E+13	4.4530E+11
I-131		7.6387E+00	6.1615E-08	2.8325E+17	1.0322E+16
I-132		6.8131E+00	6.6005E-10	3.0113E+15	1.3073E+16
I-133		1.4558E+01	1.2851E-08	5.8189E+16	2.0362E+16
I-134		4.7473E+00	1.7796E-10	7.9976E+14	1.6585E+16

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I-135	1.2169E+01	3.4650E-09	1.5457E+16	1.8502E+16
Xe-133	1.4622E+03	7.8118E-06	3.5371E+19	1.9801E+18
Xe-135	4.7310E+02	1.8526E-07	8.2641E+17	6.9420E+17
Cs-134	3.5705E-02	2.7597E-08	1.2402E+17	4.8050E+13
Cs-136	9.9028E-03	1.3512E-10	5.9830E+14	1.3360E+13
Cs-137	1.7544E-02	2.0169E-07	8.8659E+17	2.3608E+13

MVP Holdup Transport Group Inventory:

Time (h) =	1.6000	Atmosphere	Sump	
Noble gases (atoms)	1.8758E+21	0.0000E+00		
Elemental I (atoms)	3.4988E+17	0.0000E+00		
Organic I (atoms)	1.0821E+16	0.0000E+00		
Aerosols (kg)	2.2943E-07	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)			1.1726E-07
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)			1.4427E-07
Total I (Ci)				4.5926E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

		Pathway	
Time (h) =	1.6000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	6.8289E+23	
Elemental I (atoms)	0.0000E+00	1.3033E+20	
Organic I (atoms)	0.0000E+00	4.0309E+18	
Aerosols (kg)	0.0000E+00	8.3506E-05	

MVP Holdup to Environment Transport Group Inventory:

		Pathway	
Time (h) =	1.6000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.0642E+23	
Elemental I (atoms)	0.0000E+00	1.3480E+20	
Organic I (atoms)	0.0000E+00	4.1690E+18	
Aerosols (kg)	0.0000E+00	8.6384E-05	

Detailed model information at time (H) = 1.7000

CRDA @ EAB - Condenser Release Doses:

Time (h) =	1.7000	Whole Body	Thyroid	TEDE
Delta dose (rem)	4.2398E-03	8.4852E-02	6.9185E-03	
Accumulated dose (rem)	4.8203E+00	6.8419E+01	6.9928E+00	

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	1.7000	Whole Body	Thyroid	TEDE
Delta dose (rem)	4.0812E-03	8.1677E-02	6.6597E-03	
Accumulated dose (rem)	2.2771E+00	3.2603E+01	3.3121E+00	

TSC Doses:

Time (h) =	1.7000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.1724E-03	6.3928E-01	2.1354E-02	
Accumulated dose (rem)	2.6295E-02	1.1952E+01	4.0466E-01	

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	1.7000	Ci	kg	Atoms	Decay
Kr-85	1.7011E+02	4.3360E-04	3.0720E+21	2.8360E+17	
Kr-85m	2.5330E+03	3.0779E-03	2.1807E+22	4.2228E+18	
Kr-87	1.9060E+03	6.7288E-08	4.6577E+17	6.4156E+18	
Kr-88	4.4723E+03	3.5666E-07	2.4408E+18	1.0163E+19	
Rb-86	4.4671E-03	5.4901E-11	3.8444E+14	7.4617E+12	

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I-131	1.0328E+02	8.3308E-07	3.8297E+18	1.7296E+17
I-132	8.9416E+01	8.6626E-09	3.9521E+16	2.1877E+17
I-133	1.9625E+02	1.7324E-07	7.8443E+17	3.4113E+17
I-134	5.9329E+01	2.2240E-09	9.9949E+15	2.7737E+17
I-135	1.6287E+02	4.6378E-08	2.0689E+17	3.0986E+17
Xe-133	1.9767E+04	1.0560E-04	4.7816E+20	3.3179E+19
Xe-135	6.3514E+03	2.4871E-06	1.1095E+19	1.1628E+19
Cs-134	4.8294E-01	3.7326E-07	1.6775E+18	8.0515E+14
Cs-136	1.3391E-01	1.8271E-09	8.0907E+15	2.2387E+14
Cs-137	2.3729E-01	2.7280E-06	1.1992E+19	3.9559E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	1.7000	Atmosphere	Sump	
Noble gases (atoms)		2.5371E+22	0.0000E+00	
Elemental I (atoms)		4.7244E+18	0.0000E+00	
Organic I (atoms)		1.4612E+17	0.0000E+00	
Aerosols (kg)		3.1032E-06	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)			9.0698E-08
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)			1.1142E-07
Total I (Ci)				6.1115E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 1.7000 Leakage Transport

Noble gases (atoms)	1.4607E+00
Elemental I (atoms)	2.7873E-04
Organic I (atoms)	8.6206E-06
Aerosols (kg)	1.7862E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) =	1.7000	Filtered Transported
Noble gases (atoms)	0.0000E+00	6.8839E+23
Elemental I (atoms)	0.0000E+00	1.3136E+20
Organic I (atoms)	0.0000E+00	4.0627E+18
Aerosols (kg)	0.0000E+00	8.4179E-05

Environment Integral Nuclide Release:

Time (h) =	1.7000	Ci	kg	Atoms	Bq
Kr-85		4.6048E+03	1.1737E-02	8.3155E+22	1.7038E+14
Kr-85m		6.8566E+04	8.3316E-02	5.9029E+23	2.5369E+15
Kr-87		9.9957E+04	3.5289E-06	2.4427E+19	3.6984E+15
Kr-88		1.6200E+05	1.2919E-05	8.8410E+19	5.9939E+15
Rb-86		1.2114E-01	1.4888E-09	1.0425E+16	4.4822E+09
I-131		2.8075E+03	2.2646E-05	1.0411E+20	1.0388E+14
I-132		3.4722E+03	3.3638E-07	1.5347E+18	1.2847E+14
I-133		5.5251E+03	4.8773E-06	2.2084E+19	2.0443E+14
I-134		4.2415E+03	1.5900E-07	7.1455E+17	1.5694E+14
I-135		4.9915E+03	1.4213E-06	6.3403E+18	1.8468E+14
Xe-133		5.3851E+05	2.8769E-03	1.3027E+22	1.9925E+16
Xe-135		1.8776E+05	7.3523E-05	3.2797E+20	6.9470E+15
Cs-134		1.3073E+01	1.0104E-05	4.5410E+19	4.8370E+11
Cs-136		3.6343E+00	4.9587E-08	2.1957E+17	1.3447E+11
Cs-137		6.4231E+00	7.3845E-05	3.2460E+20	2.3766E+11

Environment Transport Group Inventory:

Time (h) =	1.7000	Total Release	Release Rate/s
Noble gases (atoms)		6.8691E+23	1.1224E+20
Elemental I (atoms)		1.3074E+20	2.1362E+16

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Organic I (atoms)	4.0434E+18	6.6068E+14	
Aerosols (kg)	8.4000E-05	1.3725E-08	
Dose Effective (Ci) I-131 (Thyroid)			3.8966E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			4.8972E+03
Total I (Ci)			2.1038E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 1.7000 Leakage Transport

Noble gases (atoms)	1.4607E+00
Elemental I (atoms)	2.7873E-04
Organic I (atoms)	8.6206E-06
Aerosols (kg)	1.7862E-28

Normal Environment to TSC Transport Group Inventory:

	Pathway	
Time (h) = 1.7000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	3.9973E+18
Elemental I (atoms)	0.0000E+00	7.6236E+14
Organic I (atoms)	0.0000E+00	2.3578E+13
Aerosols (kg)	0.0000E+00	4.8880E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway	
Time (h) = 1.7000	Filtered	Transported
Noble gases (atoms)	2.3988E+18	0.0000E+00
Elemental I (atoms)	4.5343E+14	0.0000E+00
Organic I (atoms)	1.4024E+13	0.0000E+00
Aerosols (kg)	2.9336E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 1.7000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1226E+23
Elemental I (atoms)	0.0000E+00	1.3589E+20
Organic I (atoms)	0.0000E+00	4.2026E+18
Aerosols (kg)	0.0000E+00	8.7098E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 1.7000	Ci	kg	Atoms	Decay
Kr-85	1.0335E+01	2.6342E-05	1.8663E+20	1.7063E+16
Kr-85m	1.5388E+02	1.8699E-04	1.3248E+21	2.5406E+17
Kr-87	1.1579E+02	4.0879E-09	2.8297E+16	3.8514E+17
Kr-88	2.7170E+02	2.1668E-08	1.4828E+17	6.1083E+17
Rb-86	2.7139E-04	3.3353E-12	2.3356E+13	4.4892E+11
I-131	6.2746E+00	5.0612E-08	2.3266E+17	1.0406E+16
I-132	5.4322E+00	5.2627E-10	2.4010E+15	1.3146E+16
I-133	1.1923E+01	1.0525E-08	4.7656E+16	2.0521E+16
I-134	3.6043E+00	1.3511E-10	6.0721E+14	1.6635E+16
I-135	9.8949E+00	2.8176E-09	1.2569E+16	1.8634E+16
Xe-133	1.2009E+03	6.4156E-06	2.9049E+19	1.9961E+18
Xe-135	3.8586E+02	1.5110E-07	6.7403E+17	6.9936E+17
Cs-134	2.9339E-02	2.2676E-08	1.0191E+17	4.8440E+13
Cs-136	8.1355E-03	1.1100E-10	4.9153E+14	1.3468E+13
Cs-137	1.4416E-02	1.6573E-07	7.2852E+17	2.3800E+13

MVP Holdup Transport Group Inventory:

Time (h) = 1.7000	Atmosphere	Sump
Noble gases (atoms)	1.5413E+21	0.0000E+00

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Elemental I (atoms)	2.8702E+17	0.0000E+00
Organic I (atoms)	8.8769E+15	0.0000E+00
Aerosols (kg)	1.8852E-07	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		9.6208E-08
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		1.1819E-07
Total I (Ci)		3.7129E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 1.7000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	6.8839E+23
Elemental I (atoms)	0.0000E+00	1.3136E+20
Organic I (atoms)	0.0000E+00	4.0627E+18
Aerosols (kg)	0.0000E+00	8.4179E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 1.7000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1226E+23
Elemental I (atoms)	0.0000E+00	1.3589E+20
Organic I (atoms)	0.0000E+00	4.2026E+18
Aerosols (kg)	0.0000E+00	8.7098E-05

Detailed model information at time (H) = 1.8000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 1.8000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.3995E-03	6.9617E-02	5.5966E-03
Accumulated dose (rem)	4.8237E+00	6.8488E+01	6.9983E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 1.8000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.2723E-03	6.7013E-02	5.3873E-03
Accumulated dose (rem)	2.2804E+00	3.2670E+01	3.3175E+00

TSC Doses:

Time (h) = 1.8000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.0778E-03	6.0132E-01	2.0056E-02
Accumulated dose (rem)	2.7373E-02	1.2554E+01	4.2472E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 1.8000	Ci	kg	Atoms	Decay
Kr-85	1.3979E+02	3.5629E-04	2.5243E+21	2.8547E+17
Kr-85m	2.0814E+03	2.5291E-03	1.7919E+22	4.2506E+18
Kr-87	1.4831E+03	5.2359E-08	3.6243E+17	6.4359E+18
Kr-88	3.5863E+03	2.8601E-07	1.9573E+18	1.0211E+19
Rb-86	3.6701E-03	4.5106E-11	3.1585E+14	7.5106E+12
I-131	8.4837E+01	6.8431E-07	3.1458E+18	1.7409E+17
I-132	7.1293E+01	6.9068E-09	3.1510E+16	2.1974E+17
I-133	1.6073E+02	1.4188E-07	6.4243E+17	3.4328E+17
I-134	4.5045E+01	1.6886E-09	7.5886E+15	2.7799E+17
I-135	1.3244E+02	3.7712E-08	1.6823E+17	3.1163E+17
Xe-133	1.6234E+04	8.6728E-05	3.9270E+20	3.3396E+19
Xe-135	5.1803E+03	2.0285E-06	9.0489E+18	1.1697E+19
Cs-134	3.9683E-01	3.0671E-07	1.3784E+18	8.1044E+14
Cs-136	1.1001E-01	1.5011E-09	6.6467E+15	2.2533E+14
Cs-137	1.9498E-01	2.2417E-06	9.8537E+18	3.9819E+14

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DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	1.8000	Atmosphere	Sump	
Noble gases (atoms)		2.0847E+22	0.0000E+00	
Elemental I (atoms)		3.8757E+18	0.0000E+00	
Organic I (atoms)		1.1987E+17	0.0000E+00	
Aerosols (kg)		2.5499E-06	0.0000E+00	
Dose Effective (Ci/cc)		I-131 (Thyroid)		7.4414E-08
Dose Effective (Ci/cc)		I-131 (ICRP2 Thyroid)		9.1275E-08
Total I (Ci)				4.9434E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 1.8000 Leakage Transport

Noble gases (atoms)	1.4703E+00
Elemental I (atoms)	2.8052E-04
Organic I (atoms)	8.6759E-06
Aerosols (kg)	1.7980E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

		Pathway	
Time (h) =	1.8000	Filtered	Transported
Noble gases (atoms)		0.0000E+00	6.9292E+23
Elemental I (atoms)		0.0000E+00	1.3220E+20
Organic I (atoms)		0.0000E+00	4.0887E+18
Aerosols (kg)		0.0000E+00	8.4733E-05

Environment Integral Nuclide Release:

Time (h) =	1.8000	Ci	kg	Atoms	Bq
Kr-85		4.6370E+03	1.1819E-02	8.3736E+22	1.7157E+14
Kr-85m		6.9045E+04	8.3899E-02	5.9441E+23	2.5546E+15
Kr-87		1.0030E+05	3.5409E-06	2.4510E+19	3.7110E+15
Kr-88		1.6282E+05	1.2985E-05	8.8861E+19	6.0244E+15
Rb-86		1.2198E-01	1.4992E-09	1.0498E+16	4.5134E+09
I-131		2.8271E+03	2.2804E-05	1.0483E+20	1.0460E+14
I-132		3.4886E+03	3.3797E-07	1.5419E+18	1.2908E+14
I-133		5.5620E+03	4.9100E-06	2.2232E+19	2.0580E+14
I-134		4.2519E+03	1.5938E-07	7.1630E+17	1.5732E+14
I-135		5.0219E+03	1.4300E-06	6.3790E+18	1.8581E+14
Xe-133		5.4224E+05	2.8969E-03	1.3117E+22	2.0063E+16
Xe-135		1.8895E+05	7.3990E-05	3.3006E+20	6.9911E+15
Cs-134		1.3164E+01	1.0175E-05	4.5727E+19	4.8708E+11
Cs-136		3.6596E+00	4.9932E-08	2.2110E+17	1.3540E+11
Cs-137		6.4680E+00	7.4360E-05	3.2687E+20	2.3932E+11

Environment Transport Group Inventory:

		Total	Release
Time (h) =	1.8000	Release	Rate/s
Noble gases (atoms)		6.9171E+23	1.0674E+20
Elemental I (atoms)		1.3163E+20	2.0313E+16
Organic I (atoms)		4.0709E+18	6.2823E+14
Aerosols (kg)		8.4587E-05	1.3053E-08
Dose Effective (Ci)		I-131 (Thyroid)	3.9233E+03
Dose Effective (Ci)		I-131 (ICRP2 Thyroid)	4.9299E+03
Total I (Ci)			2.1152E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 1.8000 Leakage Transport

Noble gases (atoms)	1.4703E+00
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Elemental I (atoms) 2.8052E-04
 Organic I (atoms) 8.6759E-06
 Aerosols (kg) 1.7980E-28

Normal Environment to TSC Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 1.8000		
Noble gases (atoms)	0.0000E+00	4.0252E+18
Elemental I (atoms)	0.0000E+00	7.6756E+14
Organic I (atoms)	0.0000E+00	2.3739E+13
Aerosols (kg)	0.0000E+00	4.9222E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 1.8000		
Noble gases (atoms)	2.5212E+18	0.0000E+00
Elemental I (atoms)	4.7621E+14	0.0000E+00
Organic I (atoms)	1.4728E+13	0.0000E+00
Aerosols (kg)	3.0833E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 1.8000		
Noble gases (atoms)	0.0000E+00	7.1706E+23
Elemental I (atoms)	0.0000E+00	1.3678E+20
Organic I (atoms)	0.0000E+00	4.2303E+18
Aerosols (kg)	0.0000E+00	8.7685E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 1.8000	Ci	kg	Atoms	Decay
Kr-85	8.4923E+00	2.1645E-05	1.5336E+20	1.7176E+16
Kr-85m	1.2645E+02	1.5365E-04	1.0886E+21	2.5574E+17
Kr-87	9.0101E+01	3.1809E-09	2.2018E+16	3.8638E+17
Kr-88	2.1788E+02	1.7376E-08	1.1891E+17	6.1376E+17
Rb-86	2.2297E-04	2.7403E-12	1.9189E+13	4.5189E+11
I-131	5.1540E+00	4.1573E-08	1.9111E+17	1.0474E+16
I-132	4.3312E+00	4.1960E-10	1.9143E+15	1.3205E+16
I-133	9.7644E+00	8.6196E-09	3.9029E+16	2.0651E+16
I-134	2.7366E+00	1.0258E-10	4.6102E+14	1.6672E+16
I-135	8.0459E+00	2.2911E-09	1.0220E+16	1.8742E+16
Xe-133	9.8624E+02	5.2689E-06	2.3857E+19	2.0093E+18
Xe-135	3.1471E+02	1.2324E-07	5.4974E+17	7.0357E+17
Cs-134	2.4109E-02	1.8633E-08	8.3741E+16	4.8762E+13
Cs-136	6.6836E-03	9.1192E-11	4.0380E+14	1.3557E+13
Cs-137	1.1846E-02	1.3619E-07	5.9863E+17	2.3958E+13

MVP Holdup Transport Group Inventory:

Time (h) = 1.8000	Atmosphere	Sump
Noble gases (atoms)	1.2665E+21	0.0000E+00
Elemental I (atoms)	2.3546E+17	0.0000E+00
Organic I (atoms)	7.2822E+15	0.0000E+00
Aerosols (kg)	1.5491E-07	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		7.8935E-08
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		9.6820E-08
Total I (Ci)		3.0032E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Pathway

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Time (h) = 1.8000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	6.9292E+23
Elemental I (atoms)	0.0000E+00	1.3220E+20
Organic I (atoms)	0.0000E+00	4.0887E+18
Aerosols (kg)	0.0000E+00	8.4733E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 1.8000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1706E+23
Elemental I (atoms)	0.0000E+00	1.3678E+20
Organic I (atoms)	0.0000E+00	4.2303E+18
Aerosols (kg)	0.0000E+00	8.7685E-05

Detailed model information at time (H) = 1.9000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 1.9000	whole Body	Thyroid	TEDE
Delta dose (rem)	2.7263E-03	5.7118E-02	4.5285E-03
Accumulated dose (rem)	4.8265E+00	6.8546E+01	7.0029E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 1.9000	whole Body	Thyroid	TEDE
Delta dose (rem)	2.6243E-03	5.4981E-02	4.3591E-03
Accumulated dose (rem)	2.2830E+00	3.2725E+01	3.3219E+00

TSC Doses:

Time (h) = 1.9000	whole Body	Thyroid	TEDE
Delta dose (rem)	9.8852E-04	5.6424E-01	1.8791E-02
Accumulated dose (rem)	2.8361E-02	1.3118E+01	4.4351E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 1.9000	Ci	kg	Atoms	Decay
Kr-85	1.1486E+02	2.9277E-04	2.0742E+21	2.8700E+17
Kr-85m	1.7103E+03	2.0782E-03	1.4724E+22	4.2734E+18
Kr-87	1.1540E+03	4.0741E-08	2.8201E+17	6.4517E+18
Kr-88	2.8759E+03	2.2935E-07	1.5695E+18	1.0250E+19
Rb-86	3.0153E-03	3.7058E-11	2.5950E+14	7.5508E+12
I-131	6.9687E+01	5.6211E-07	2.5840E+18	1.7502E+17
I-132	5.6843E+01	5.5069E-09	2.5124E+16	2.2051E+17
I-133	1.3163E+02	1.1620E-07	5.2614E+17	3.4504E+17
I-134	3.4200E+01	1.2820E-09	5.7616E+15	2.7847E+17
I-135	1.0769E+02	3.0665E-08	1.3679E+17	3.1307E+17
Xe-133	1.3332E+04	7.1227E-05	3.2251E+20	3.3573E+19
Xe-135	4.2251E+03	1.6545E-06	7.3803E+18	1.1754E+19
Cs-134	3.2608E-01	2.5203E-07	1.1327E+18	8.1478E+14
Cs-136	9.0380E-02	1.2332E-09	5.4605E+15	2.2654E+14
Cs-137	1.6022E-01	1.8420E-06	8.0969E+18	4.0032E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 1.9000	Atmosphere	Sump	
Noble gases (atoms)	1.7130E+22	0.0000E+00	
Elemental I (atoms)	3.1795E+18	0.0000E+00	
Organic I (atoms)	9.8335E+16	0.0000E+00	
Aerosols (kg)	2.0953E-06	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			6.1054E-08
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			7.4779E-08
Total I (Ci)			4.0005E+02

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DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 1.9000 Leakage Transport

Noble gases (atoms)	1.4782E+00
Elemental I (atoms)	2.8199E-04
Organic I (atoms)	8.7213E-06
Aerosols (kg)	1.8076E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 1.9000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	6.9663E+23
Elemental I (atoms)	0.0000E+00	1.3289E+20
Organic I (atoms)	0.0000E+00	4.1101E+18
Aerosols (kg)	0.0000E+00	8.5187E-05

Environment Integral Nuclide Release:

Time (h) = 1.9000	Ci	kg	Atoms	Bq
Kr-85	4.6634E+03	1.1886E-02	8.4213E+22	1.7255E+14
Kr-85m	6.9438E+04	8.4377E-02	5.9780E+23	2.5692E+15
Kr-87	1.0056E+05	3.5503E-06	2.4575E+19	3.7209E+15
Kr-88	1.6348E+05	1.3038E-05	8.9222E+19	6.0489E+15
Rb-86	1.2268E-01	1.5077E-09	1.0558E+16	4.5391E+09
I-131	2.8431E+03	2.2933E-05	1.0542E+20	1.0519E+14
I-132	3.5017E+03	3.3924E-07	1.5477E+18	1.2956E+14
I-133	5.5923E+03	4.9367E-06	2.2353E+19	2.0692E+14
I-134	4.2597E+03	1.5968E-07	7.1762E+17	1.5761E+14
I-135	5.0467E+03	1.4371E-06	6.4105E+18	1.8673E+14
Xe-133	5.4531E+05	2.9133E-03	1.3191E+22	2.0177E+16
Xe-135	1.8992E+05	7.4370E-05	3.3175E+20	7.0271E+15
Cs-134	1.3239E+01	1.0233E-05	4.5987E+19	4.8986E+11
Cs-136	3.6804E+00	5.0216E-08	2.2236E+17	1.3617E+11
Cs-137	6.5049E+00	7.4784E-05	3.2873E+20	2.4068E+11

Environment Transport Group Inventory:

Time (h) = 1.9000	Total Release	
	Release	Rate/s
Noble gases (atoms)	6.9565E+23	1.0170E+20
Elemental I (atoms)	1.3236E+20	1.9351E+16
Organic I (atoms)	4.0936E+18	5.9848E+14
Aerosols (kg)	8.5069E-05	1.2437E-08
Dose Effective (Ci) I-131 (Thyroid)		3.9452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		4.9567E+03
Total I (Ci)		2.1244E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 1.9000 Leakage Transport

Noble gases (atoms)	1.4782E+00
Elemental I (atoms)	2.8199E-04
Organic I (atoms)	8.7213E-06
Aerosols (kg)	1.8076E-28

Normal Environment to TSC Transport Group Inventory:

Time (h) = 1.9000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0481E+18
Elemental I (atoms)	0.0000E+00	7.7182E+14

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Organic I (atoms) 0.0000E+00 2.3871E+13
 Aerosols (kg) 0.0000E+00 4.9503E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway	
Time (h) = 1.9000	Filtered	Transported
Noble gases (atoms)	2.6361E+18	0.0000E+00
Elemental I (atoms)	4.9758E+14	0.0000E+00
Organic I (atoms)	1.5389E+13	0.0000E+00
Aerosols (kg)	3.2239E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 1.9000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.2100E+23
Elemental I (atoms)	0.0000E+00	1.3751E+20
Organic I (atoms)	0.0000E+00	4.2529E+18
Aerosols (kg)	0.0000E+00	8.8167E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 1.9000	Ci	kg	Atoms	Decay
Kr-85	6.9782E+00	1.7786E-05	1.2601E+20	1.7269E+16
Kr-85m	1.0390E+02	1.2626E-04	8.9452E+20	2.5713E+17
Kr-87	7.0110E+01	2.4751E-09	1.7133E+16	3.8734E+17
Kr-88	1.7472E+02	1.3934E-08	9.5352E+16	6.1612E+17
Rb-86	1.8319E-04	2.2514E-12	1.5765E+13	4.5433E+11
I-131	4.2336E+00	3.4149E-08	1.5699E+17	1.0531E+16
I-132	3.4534E+00	3.3456E-10	1.5263E+15	1.3252E+16
I-133	7.9969E+00	7.0593E-09	3.1964E+16	2.0758E+16
I-134	2.0777E+00	7.7886E-11	3.5003E+14	1.6701E+16
I-135	6.5425E+00	1.8630E-09	8.3104E+15	1.8830E+16
Xe-133	8.0997E+02	4.3272E-06	1.9593E+19	2.0201E+18
Xe-135	2.5668E+02	1.0051E-07	4.4837E+17	7.0700E+17
Cs-134	1.9810E-02	1.5311E-08	6.8811E+16	4.9025E+13
Cs-136	5.4908E-03	7.4918E-11	3.3174E+14	1.3631E+13
Cs-137	9.7337E-03	1.1191E-07	4.9191E+17	2.4087E+13

MVP Holdup Transport Group Inventory:

Time (h) = 1.9000	Atmosphere	Sump	
Noble gases (atoms)	1.0407E+21	0.0000E+00	
Elemental I (atoms)	1.9316E+17	0.0000E+00	
Organic I (atoms)	5.9741E+15	0.0000E+00	
Aerosols (kg)	1.2729E-07	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		6.4764E-08
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		7.9322E-08
Total I (Ci)			2.4304E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 1.9000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	6.9663E+23
Elemental I (atoms)	0.0000E+00	1.3289E+20
Organic I (atoms)	0.0000E+00	4.1101E+18
Aerosols (kg)	0.0000E+00	8.5187E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 1.9000	Filtered	Transported

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Noble gases (atoms)	0.0000E+00	7.2100E+23
Elemental I (atoms)	0.0000E+00	1.3751E+20
Organic I (atoms)	0.0000E+00	4.2529E+18
Aerosols (kg)	0.0000E+00	8.8167E-05

Detailed model information at time (H) = 2.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) =	2.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)		2.1869E-03	4.6864E-02	3.6651E-03
Accumulated dose (rem)		4.8287E+00	6.8592E+01	7.0065E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	2.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)		2.1051E-03	4.5110E-02	3.5280E-03
Accumulated dose (rem)		2.2851E+00	3.2770E+01	3.3254E+00

TSC Doses:

Time (h) =	2.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)		9.0494E-04	5.2833E-01	1.7570E-02
Accumulated dose (rem)		2.9266E-02	1.3646E+01	4.6108E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	2.0000	Ci	kg	Atoms	Decay
Kr-85		9.4385E+01	2.4057E-04	1.7044E+21	2.8825E+17
Kr-85m		1.4054E+03	1.7077E-03	1.2099E+22	4.2921E+18
Kr-87		8.9798E+02	3.1702E-08	2.1944E+17	6.4640E+18
Kr-88		2.3062E+03	1.8392E-07	1.2586E+18	1.0281E+19
Rb-86		2.4774E-03	3.0447E-11	2.1320E+14	7.5838E+12
I-131		5.7242E+01	4.6172E-07	2.1226E+18	1.7578E+17
I-132		4.5322E+01	4.3908E-09	2.0032E+16	2.2112E+17
I-133		1.0780E+02	9.5164E-08	4.3090E+17	3.4647E+17
I-134		2.5966E+01	9.7337E-10	4.3745E+15	2.7883E+17
I-135		8.7568E+01	2.4935E-08	1.1123E+17	3.1424E+17
Xe-133		1.0949E+04	5.8496E-05	2.6486E+20	3.3719E+19
Xe-135		3.4460E+03	1.3494E-06	6.0195E+18	1.1800E+19
Cs-134		2.6795E-01	2.0709E-07	9.3071E+17	8.1835E+14
Cs-136		7.4250E-02	1.0131E-09	4.4860E+15	2.2752E+14
Cs-137		1.3166E-01	1.5136E-06	6.6533E+18	4.0208E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	2.0000	Atmosphere	Sump
Noble gases (atoms)		1.4076E+22	0.0000E+00
Elemental I (atoms)		2.6084E+18	0.0000E+00
Organic I (atoms)		8.0673E+16	0.0000E+00
Aerosols (kg)		1.7217E-06	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)			5.0094E-08
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			6.1267E-08
Total I (Ci)			3.2390E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 2.0000 Leakage Transport

Noble gases (atoms)	1.4847E+00
Elemental I (atoms)	2.8319E-04
Organic I (atoms)	8.7585E-06
Aerosols (kg)	1.8155E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

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Time (h) = 2.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	6.9969E+23
Elemental I (atoms)	0.0000E+00	1.3346E+20
Organic I (atoms)	0.0000E+00	4.1276E+18
Aerosols (kg)	0.0000E+00	8.5561E-05

Environment Integral Nuclide Release:

Time (h) = 2.0000	Ci	kg	Atoms	Bq
Kr-85	4.6852E+03	1.1942E-02	8.4606E+22	1.7335E+14
Kr-85m	6.9762E+04	8.4770E-02	6.0058E+23	2.5812E+15
Kr-87	1.0077E+05	3.5576E-06	2.4626E+19	3.7285E+15
Kr-88	1.6401E+05	1.3080E-05	8.9511E+19	6.0685E+15
Rb-86	1.2325E-01	1.5147E-09	1.0607E+16	4.5602E+09
I-131	2.8563E+03	2.3039E-05	1.0591E+20	1.0568E+14
I-132	3.5121E+03	3.4025E-07	1.5523E+18	1.2995E+14
I-133	5.6171E+03	4.9586E-06	2.2452E+19	2.0783E+14
I-134	4.2657E+03	1.5990E-07	7.1863E+17	1.5783E+14
I-135	5.0669E+03	1.4428E-06	6.4361E+18	1.8747E+14
Xe-133	5.4783E+05	2.9267E-03	1.3252E+22	2.0270E+16
Xe-135	1.9071E+05	7.4681E-05	3.3314E+20	7.0565E+15
Cs-134	1.3301E+01	1.0280E-05	4.6202E+19	4.9214E+11
Cs-136	3.6975E+00	5.0449E-08	2.2339E+17	1.3681E+11
Cs-137	6.5352E+00	7.5133E-05	3.3026E+20	2.4180E+11

Environment Transport Group Inventory:

Time (h) = 2.0000	Total Release	Release Rate/s
Noble gases (atoms)	6.9889E+23	9.7068E+19
Elemental I (atoms)	1.3296E+20	1.8467E+16
Organic I (atoms)	4.1121E+18	5.7113E+14
Aerosols (kg)	8.5465E-05	1.1870E-08
Dose Effective (Ci) I-131 (Thyroid)		3.9631E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		4.9787E+03
Total I (Ci)		2.1318E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 2.0000 Leakage Transport

Noble gases (atoms)	1.4847E+00
Elemental I (atoms)	2.8319E-04
Organic I (atoms)	8.7585E-06
Aerosols (kg)	1.8155E-28

Normal Environment to TSC Transport Group Inventory:

Time (h) = 2.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0670E+18
Elemental I (atoms)	0.0000E+00	7.7532E+14
Organic I (atoms)	0.0000E+00	2.3979E+13
Aerosols (kg)	0.0000E+00	4.9733E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 2.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	2.7439E+18	0.0000E+00
Elemental I (atoms)	5.1759E+14	0.0000E+00
Organic I (atoms)	1.6008E+13	0.0000E+00

Aerosols (kg) 3.3557E-10 0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 2.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.2424E+23
Elemental I (atoms)	0.0000E+00	1.3811E+20
Organic I (atoms)	0.0000E+00	4.2715E+18
Aerosols (kg)	0.0000E+00	8.8563E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 2.0000	Ci	kg	Atoms	Decay
Kr-85	5.7341E+00	1.4615E-05	1.0355E+20	1.7345E+16
Kr-85m	8.5379E+01	1.0375E-04	7.3503E+20	2.5827E+17
Kr-87	5.4554E+01	1.9260E-09	1.3331E+16	3.8808E+17
Kr-88	1.4010E+02	1.1173E-08	7.6463E+16	6.1801E+17
Rb-86	1.5050E-04	1.8497E-12	1.2952E+13	4.5633E+11
I-131	3.4776E+00	2.8051E-08	1.2895E+17	1.0577E+16
I-132	2.7534E+00	2.6675E-10	1.2170E+15	1.3289E+16
I-133	6.5493E+00	5.7814E-09	2.6178E+16	2.0845E+16
I-134	1.5775E+00	5.9135E-11	2.6576E+14	1.6723E+16
I-135	5.3200E+00	1.5149E-09	6.7576E+15	1.8901E+16
Xe-133	6.6520E+02	3.5538E-06	1.6091E+19	2.0289E+18
Xe-135	2.0935E+02	8.1979E-08	3.6569E+17	7.0980E+17
Cs-134	1.6278E-02	1.2581E-08	5.6543E+16	4.9242E+13
Cs-136	4.5108E-03	6.1547E-11	2.7253E+14	1.3691E+13
Cs-137	7.9983E-03	9.1954E-08	4.0420E+17	2.4194E+13

MVP Holdup Transport Group Inventory:

Time (h) = 2.0000	Atmosphere	Sump	
Noble gases (atoms)	8.5513E+20	0.0000E+00	
Elemental I (atoms)	1.5847E+17	0.0000E+00	
Organic I (atoms)	4.9011E+15	0.0000E+00	
Aerosols (kg)	1.0460E-07	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		5.3137E-08
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		6.4989E-08
Total I (Ci)			1.9678E+01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 2.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	6.9969E+23
Elemental I (atoms)	0.0000E+00	1.3346E+20
Organic I (atoms)	0.0000E+00	4.1276E+18
Aerosols (kg)	0.0000E+00	8.5561E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 2.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.2424E+23
Elemental I (atoms)	0.0000E+00	1.3811E+20
Organic I (atoms)	0.0000E+00	4.2715E+18
Aerosols (kg)	0.0000E+00	8.8563E-05

Detailed model information at time (H) = 2.5000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 2.5000 whole Body Thyroid TEDE
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Delta dose (rem) 3.0795E-03 6.9888E-02 5.2824E-03
 Accumulated dose (rem) 4.8317E+00 6.8662E+01 7.0118E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 2.5000 whole Body Thyroid TEDE
 Delta dose (rem) 3.0539E-03 6.9307E-02 5.2385E-03
 Accumulated dose (rem) 2.2882E+00 3.2839E+01 3.3306E+00

TSC Doses:

Time (h) = 2.5000 whole Body Thyroid TEDE
 Delta dose (rem) 3.3857E-03 2.1039E+00 6.9698E-02
 Accumulated dose (rem) 3.2652E-02 1.5750E+01 5.3078E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	Ci	kg	Atoms	Decay
2.5000				
Kr-85	3.5359E+01	9.0125E-05	6.3852E+20	2.9188E+17
Kr-85m	5.2649E+02	6.3975E-04	4.5326E+21	4.3460E+18
Kr-87	2.5616E+02	9.0433E-09	6.2598E+16	6.4948E+18
Kr-88	7.6471E+02	6.0985E-08	4.1734E+17	1.0365E+19
Rb-86	9.2737E-04	1.1397E-11	7.9810E+13	7.6788E+12
I-131	2.1406E+01	1.7266E-07	7.9375E+17	1.7798E+17
I-132	1.4604E+01	1.4148E-09	6.4548E+15	2.2275E+17
I-133	3.9719E+01	3.5062E-08	1.5876E+17	3.5058E+17
I-134	6.5512E+00	2.4558E-10	1.1037E+15	2.7967E+17
I-135	3.1130E+01	8.8642E-09	3.9542E+16	3.1753E+17
Xe-133	4.0908E+03	2.1855E-05	9.8956E+19	3.4139E+19
Xe-135	1.2437E+03	4.8701E-07	2.1725E+18	1.1930E+19
Cs-134	1.0038E-01	7.7582E-08	3.4867E+17	8.2864E+14
Cs-136	2.7786E-02	3.7911E-10	1.6787E+15	2.3037E+14
Cs-137	4.9322E-02	5.6704E-07	2.4925E+18	4.0713E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	Atmosphere	Sump
2.5000		
Noble gases (atoms)	5.2727E+21	0.0000E+00
Elemental I (atoms)	9.6962E+17	0.0000E+00
Organic I (atoms)	2.9988E+16	0.0000E+00
Aerosols (kg)	6.4501E-07	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.8628E-08
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		2.2634E-08
Total I (Ci)		1.1341E+02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 2.5000 Leakage Transport

Noble gases (atoms)	1.5034E+00
Elemental I (atoms)	2.8664E-04
Organic I (atoms)	8.8652E-06
Aerosols (kg)	1.8384E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	Pathway	Filtered	Transported
2.5000			
Noble gases (atoms)		0.0000E+00	7.0849E+23
Elemental I (atoms)		0.0000E+00	1.3509E+20
Organic I (atoms)		0.0000E+00	4.1779E+18
Aerosols (kg)		0.0000E+00	8.6637E-05

Environment Integral Nuclide Release:

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Time (h) =	2.5000	Ci	kg	Atoms	Bq
Kr-85		4.7478E+03	1.2101E-02	8.5736E+22	1.7567E+14
Kr-85m		7.0694E+04	8.5903E-02	6.0861E+23	2.6157E+15
Kr-87		1.0129E+05	3.5759E-06	2.4752E+19	3.7477E+15
Kr-88		1.6545E+05	1.3195E-05	9.0295E+19	6.1217E+15
Rb-86		1.2489E-01	1.5349E-09	1.0748E+16	4.6210E+09
I-131		2.8942E+03	2.3345E-05	1.0732E+20	1.0709E+14
I-132		3.5399E+03	3.4295E-07	1.5646E+18	1.3098E+14
I-133		5.6880E+03	5.0212E-06	2.2736E+19	2.1046E+14
I-134		4.2798E+03	1.6043E-07	7.2100E+17	1.5835E+14
I-135		5.1234E+03	1.4589E-06	6.5079E+18	1.8957E+14
Xe-133		5.5509E+05	2.9655E-03	1.3428E+22	2.0538E+16
Xe-135		1.9296E+05	7.5559E-05	3.3706E+20	7.1394E+15
Cs-134		1.3479E+01	1.0418E-05	4.6819E+19	4.9872E+11
Cs-136		3.7467E+00	5.1121E-08	2.2637E+17	1.3863E+11
Cs-137		6.6225E+00	7.6137E-05	3.3468E+20	2.4503E+11

Environment Transport Group Inventory:

Time (h) =	2.5000	Total Release	Release Rate/s
Noble gases (atoms)		7.0823E+23	7.8692E+19
Elemental I (atoms)		1.3468E+20	1.4965E+16
Organic I (atoms)		4.1654E+18	4.6283E+14
Aerosols (kg)		8.6607E-05	9.6230E-09
Dose Effective (Ci) I-131 (Thyroid)			4.0147E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			5.0415E+03
Total I (Ci)			2.1525E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 2.5000 Leakage Transport

Noble gases (atoms)	1.5034E+00
Elemental I (atoms)	2.8664E-04
Organic I (atoms)	8.8652E-06
Aerosols (kg)	1.8384E-28

Normal Environment to TSC Transport Group Inventory:

Time (h) =	2.5000	Pathway	Filtered	Transported
Noble gases (atoms)			0.0000E+00	4.0678E+18
Elemental I (atoms)			0.0000E+00	7.7548E+14
Organic I (atoms)			0.0000E+00	2.3984E+13
Aerosols (kg)			0.0000E+00	4.9744E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) =	2.5000	Pathway	Filtered	Transported
Noble gases (atoms)			3.1748E+18	0.0000E+00
Elemental I (atoms)			5.9721E+14	0.0000E+00
Organic I (atoms)			1.8470E+13	0.0000E+00
Aerosols (kg)			3.8828E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) =	2.5000	Pathway	Filtered	Transported
Noble gases (atoms)			0.0000E+00	7.3358E+23
Elemental I (atoms)			0.0000E+00	1.3984E+20
Organic I (atoms)			0.0000E+00	4.3249E+18
Aerosols (kg)			0.0000E+00	8.9705E-05

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MVP Holdup Compartment Nuclide Inventory:

Time (h) =	Ci	kg	Atoms	Decay
2.5000				
Kr-85	2.1481E+00	5.4753E-06	3.8792E+19	1.7565E+16
Kr-85m	3.1985E+01	3.8866E-05	2.7536E+20	2.6154E+17
Kr-87	1.5562E+01	5.4940E-10	3.8029E+15	3.8995E+17
Kr-88	4.6458E+01	3.7050E-09	2.5354E+16	6.2312E+17
Rb-86	5.6340E-05	6.9241E-13	4.8486E+12	4.6211E+11
I-131	1.3005E+00	1.0490E-08	4.8222E+16	1.0710E+16
I-132	8.8723E-01	8.5954E-11	3.9214E+14	1.3388E+16
I-133	2.4130E+00	2.1301E-09	9.6449E+15	2.1095E+16
I-134	3.9800E-01	1.4919E-11	6.7050E+13	1.6775E+16
I-135	1.8912E+00	5.3852E-10	2.4023E+15	1.9101E+16
Xe-133	2.4852E+02	1.3277E-06	6.0118E+18	2.0544E+18
Xe-135	7.5557E+01	2.9587E-08	1.3198E+17	7.1771E+17
Cs-134	6.0982E-03	4.7133E-09	2.1182E+16	4.9867E+13
Cs-136	1.6880E-03	2.3032E-11	1.0199E+14	1.3864E+13
Cs-137	2.9964E-03	3.4449E-08	1.5143E+17	2.4501E+13

MVP Holdup Transport Group Inventory:

Time (h) =	Atmosphere	Sump
2.5000		
Noble gases (atoms)	3.2033E+20	0.0000E+00
Elemental I (atoms)	5.8907E+16	0.0000E+00
Organic I (atoms)	1.8219E+15	0.0000E+00
Aerosols (kg)	3.9186E-08	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.9760E-08
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		2.4009E-08
Total I (Ci)		6.8899E+00

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	Pathway	
	Filtered	Transported
2.5000		
Noble gases (atoms)	0.0000E+00	7.0849E+23
Elemental I (atoms)	0.0000E+00	1.3509E+20
Organic I (atoms)	0.0000E+00	4.1779E+18
Aerosols (kg)	0.0000E+00	8.6637E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) =	Pathway	
	Filtered	Transported
2.5000		
Noble gases (atoms)	0.0000E+00	7.3358E+23
Elemental I (atoms)	0.0000E+00	1.3984E+20
Organic I (atoms)	0.0000E+00	4.3249E+18
Aerosols (kg)	0.0000E+00	8.9705E-05

Detailed model information at time (H) = 3.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) =	whole Body	Thyroid	TEDE
3.0000			
Delta dose (rem)	1.0285E-03	2.5991E-02	1.8468E-03
Accumulated dose (rem)	4.8328E+00	6.8688E+01	7.0137E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	whole Body	Thyroid	TEDE
3.0000			
Delta dose (rem)	1.0200E-03	2.5775E-02	1.8315E-03
Accumulated dose (rem)	2.2892E+00	3.2865E+01	3.3325E+00

TSC Doses:

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Time (h) = 3.0000 Whole Body Thyroid TEDE
 Delta dose (rem) 2.0345E-03 1.4074E+00 4.6343E-02
 Accumulated dose (rem) 3.4686E-02 1.7157E+01 5.7712E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	Ci	kg	Atoms	Decay
3.0000				
Kr-85	1.3247E+01	3.3763E-05	2.3921E+20	2.9323E+17
Kr-85m	1.9724E+02	2.3967E-04	1.6980E+21	4.3662E+18
Kr-87	7.3071E+01	2.5797E-09	1.7857E+16	6.5036E+18
Kr-88	2.5357E+02	2.0222E-08	1.3839E+17	1.0393E+19
Rb-86	3.4715E-04	4.2665E-12	2.9876E+13	7.7144E+12
I-131	8.0050E+00	6.4569E-08	2.9683E+17	1.7880E+17
I-132	4.7058E+00	4.5589E-10	2.0799E+15	2.2328E+17
I-133	1.4634E+01	1.2918E-08	5.8493E+16	3.5210E+17
I-134	1.6529E+00	6.1959E-11	2.7845E+14	2.7989E+17
I-135	1.1066E+01	3.1512E-09	1.4057E+16	3.1870E+17
Xe-133	1.5284E+03	8.1651E-06	3.6971E+19	3.4296E+19
Xe-135	4.4886E+02	1.7577E-07	7.8406E+17	1.1977E+19
Cs-134	3.7604E-02	2.9064E-08	1.3062E+17	8.3249E+14
Cs-136	1.0398E-02	1.4187E-10	6.2821E+14	2.3144E+14
Cs-137	1.8477E-02	2.1243E-07	9.3377E+17	4.0902E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	Atmosphere	Sump	
3.0000			
Noble gases (atoms)	1.9751E+21	0.0000E+00	
Elemental I (atoms)	3.6058E+17	0.0000E+00	
Organic I (atoms)	1.1152E+16	0.0000E+00	
Aerosols (kg)	2.4164E-07	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			6.9287E-09
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			8.3696E-09
Total I (Ci)			4.0064E+01

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 3.0000 Leakage Transport

Noble gases (atoms)	1.5103E+00
Elemental I (atoms)	2.8793E-04
Organic I (atoms)	8.9049E-06
Aerosols (kg)	1.8469E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	Pathway	Filtered	Transported
3.0000			
Noble gases (atoms)		0.0000E+00	7.1179E+23
Elemental I (atoms)		0.0000E+00	1.3569E+20
Organic I (atoms)		0.0000E+00	4.1966E+18
Aerosols (kg)		0.0000E+00	8.7041E-05

Environment Integral Nuclide Release:

Time (h) =	Ci	kg	Atoms	Bq
3.0000				
Kr-85	4.7712E+03	1.2161E-02	8.6160E+22	1.7654E+14
Kr-85m	7.1043E+04	8.6327E-02	6.1162E+23	2.6286E+15
Kr-87	1.0144E+05	3.5811E-06	2.4788E+19	3.7532E+15
Kr-88	1.6593E+05	1.3233E-05	9.0555E+19	6.1393E+15
Rb-86	1.2551E-01	1.5425E-09	1.0801E+16	4.6437E+09
I-131	2.9084E+03	2.3460E-05	1.0785E+20	1.0761E+14
I-132	3.5489E+03	3.4381E-07	1.5686E+18	1.3131E+14
I-133	5.7142E+03	5.0442E-06	2.2840E+19	2.1142E+14
I-134	4.2834E+03	1.6057E-07	7.2160E+17	1.5848E+14

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I-135	5.1435E+03	1.4646E-06	6.5334E+18	1.9031E+14
Xe-133	5.5780E+05	2.9800E-03	1.3493E+22	2.0638E+16
Xe-135	1.9377E+05	7.5876E-05	3.3847E+20	7.1693E+15
Cs-134	1.3545E+01	1.0469E-05	4.7050E+19	5.0118E+11
Cs-136	3.7651E+00	5.1372E-08	2.2748E+17	1.3931E+11
Cs-137	6.6552E+00	7.6513E-05	3.3633E+20	2.4624E+11

Environment Transport Group Inventory:

	Total Release	Release Rate/s	
Time (h) = 3.0000			
Noble gases (atoms)	7.1172E+23	6.5900E+19	
Elemental I (atoms)	1.3532E+20	1.2530E+16	
Organic I (atoms)	4.1853E+18	3.8752E+14	
Aerosols (kg)	8.7035E-05	8.0588E-09	
Dose Effective (Ci) I-131 (Thyroid)			4.0338E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			5.0647E+03
Total I (Ci)			2.1598E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 3.0000 Leakage Transport

Noble gases (atoms)	1.5103E+00
Elemental I (atoms)	2.8793E-04
Organic I (atoms)	8.9049E-06
Aerosols (kg)	1.8469E-28

Normal Environment to TSC Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 3.0000		
Noble gases (atoms)	0.0000E+00	4.0682E+18
Elemental I (atoms)	0.0000E+00	7.7554E+14
Organic I (atoms)	0.0000E+00	2.3986E+13
Aerosols (kg)	0.0000E+00	4.9748E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 3.0000		
Noble gases (atoms)	3.4652E+18	0.0000E+00
Elemental I (atoms)	6.5046E+14	0.0000E+00
Organic I (atoms)	2.0117E+13	0.0000E+00
Aerosols (kg)	4.2380E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 3.0000		
Noble gases (atoms)	0.0000E+00	7.3707E+23
Elemental I (atoms)	0.0000E+00	1.4048E+20
Organic I (atoms)	0.0000E+00	4.3447E+18
Aerosols (kg)	0.0000E+00	9.0133E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 3.0000	Ci	kg	Atoms	Decay
Kr-85	8.0476E-01	2.0512E-06	1.4532E+19	1.7648E+16
Kr-85m	1.1983E+01	1.4560E-05	1.0316E+20	2.6277E+17
Kr-87	4.4392E+00	1.5672E-10	1.0848E+15	3.9049E+17
Kr-88	1.5405E+01	1.2285E-09	8.4073E+15	6.2482E+17
Rb-86	2.1090E-05	2.5920E-13	1.8150E+12	4.6427E+11
I-131	4.8632E-01	3.9227E-09	1.8033E+16	1.0760E+16

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I-132	2.8589E-01	2.7697E-11	1.2636E+14	1.3420E+16
I-133	8.8904E-01	7.8481E-10	3.5536E+15	2.1187E+16
I-134	1.0041E-01	3.7641E-12	1.6916E+13	1.6788E+16
I-135	6.7231E-01	1.9144E-10	8.5399E+14	1.9172E+16
Xe-133	9.2851E+01	4.9605E-07	2.2461E+18	2.0640E+18
Xe-135	2.7269E+01	1.0678E-08	4.7634E+16	7.2056E+17
Cs-134	2.2845E-03	1.7657E-09	7.9353E+15	5.0101E+13
Cs-136	6.3169E-04	8.6189E-12	3.8165E+13	1.3929E+13
Cs-137	1.1225E-03	1.2905E-08	5.6729E+16	2.4616E+13

MVP Holdup Transport Group Inventory:

Time (h) =	3.0000	Atmosphere	Sump	
Noble gases (atoms)	1.1999E+20	0.0000E+00		
Elemental I (atoms)	2.1906E+16	0.0000E+00		
Organic I (atoms)	6.7751E+14	0.0000E+00		
Aerosols (kg)	1.4680E-08	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)		7.3496E-09	
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		8.8780E-09	
Total I (Ci)			2.4340E+00	

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

		Pathway	
Time (h) =	3.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1179E+23	
Elemental I (atoms)	0.0000E+00	1.3569E+20	
Organic I (atoms)	0.0000E+00	4.1966E+18	
Aerosols (kg)	0.0000E+00	8.7041E-05	

MVP Holdup to Environment Transport Group Inventory:

		Pathway	
Time (h) =	3.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3707E+23	
Elemental I (atoms)	0.0000E+00	1.4048E+20	
Organic I (atoms)	0.0000E+00	4.3447E+18	
Aerosols (kg)	0.0000E+00	9.0133E-05	

Detailed model information at time (H) = 3.5000

CRDA @ EAB - Condenser Release Doses:

Time (h) =	3.5000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.4515E-04	9.6677E-03	6.4923E-04	
Accumulated dose (rem)	4.8331E+00	6.8698E+01	7.0143E+00	

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	3.5000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.4229E-04	9.5874E-03	6.4383E-04	
Accumulated dose (rem)	2.2895E+00	3.2874E+01	3.3331E+00	

TSC Doses:

Time (h) =	3.5000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.2280E-03	9.4141E-01	3.0836E-02	
Accumulated dose (rem)	3.5914E-02	1.8099E+01	6.0796E-01	

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	3.5000	Ci	kg	Atoms	Decay
Kr-85	4.9625E+00	1.2649E-05	8.9614E+19	2.9374E+17	
Kr-85m	7.3890E+01	8.9786E-05	6.3612E+20	4.3738E+18	

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Kr-87	2.0844E+01	7.3588E-10	5.0938E+15	6.5061E+18
Kr-88	8.4082E+01	6.7055E-09	4.5888E+16	1.0402E+19
Rb-86	1.2995E-04	1.5971E-12	1.1184E+13	7.7278E+12
I-131	2.9935E+00	2.4146E-08	1.1100E+17	1.7910E+17
I-132	1.5163E+00	1.4690E-10	6.7019E+14	2.2345E+17
I-133	5.3917E+00	4.7596E-09	2.1551E+16	3.5266E+17
I-134	4.1701E-01	1.5632E-11	7.0252E+13	2.7994E+17
I-135	3.9341E+00	1.1202E-09	4.9971E+15	3.1912E+17
Xe-133	5.7101E+02	3.0505E-06	1.3813E+19	3.4355E+19
Xe-135	1.6199E+02	6.3434E-08	2.8297E+17	1.1994E+19
Cs-134	1.4087E-02	1.0888E-08	4.8932E+16	8.3393E+14
Cs-136	3.8910E-03	5.3090E-11	2.3509E+14	2.3184E+14
Cs-137	6.9222E-03	7.9582E-08	3.4982E+17	4.0973E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	3.5000	Atmosphere	Sump
Noble gases (atoms)	7.3988E+20	0.0000E+00	
Elemental I (atoms)	1.3414E+17	0.0000E+00	
Organic I (atoms)	4.1487E+15	0.0000E+00	
Aerosols (kg)	9.0524E-08	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			2.5775E-09
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			3.0972E-09
Total I (Ci)			1.4253E+01

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 3.5000 Leakage Transport

Noble gases (atoms)	1.5130E+00
Elemental I (atoms)	2.8840E-04
Organic I (atoms)	8.9197E-06
Aerosols (kg)	1.8501E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	3.5000	Pathway	Transported
Noble gases (atoms)	0.0000E+00	Filtered	7.1302E+23
Elemental I (atoms)	0.0000E+00		1.3592E+20
Organic I (atoms)	0.0000E+00		4.2036E+18
Aerosols (kg)	0.0000E+00		8.7192E-05

Environment Integral Nuclide Release:

Time (h) =	3.5000	Ci	kg	Atoms	Bq
Kr-85	4.7800E+03	1.2184E-02	8.6319E+22	1.7686E+14	
Kr-85m	7.1174E+04	8.6486E-02	6.1274E+23	2.6334E+15	
Kr-87	1.0148E+05	3.5826E-06	2.4799E+19	3.7547E+15	
Kr-88	1.6608E+05	1.3245E-05	9.0641E+19	6.1451E+15	
Rb-86	1.2574E-01	1.5453E-09	1.0821E+16	4.6523E+09	
I-131	2.9137E+03	2.3502E-05	1.0804E+20	1.0781E+14	
I-132	3.5518E+03	3.4409E-07	1.5698E+18	1.3142E+14	
I-133	5.7238E+03	5.0527E-06	2.2878E+19	2.1178E+14	
I-134	4.2843E+03	1.6060E-07	7.2175E+17	1.5852E+14	
I-135	5.1506E+03	1.4666E-06	6.5425E+18	1.9057E+14	
Xe-133	5.5881E+05	2.9854E-03	1.3518E+22	2.0676E+16	
Xe-135	1.9406E+05	7.5990E-05	3.3898E+20	7.1801E+15	
Cs-134	1.3570E+01	1.0489E-05	4.7137E+19	5.0210E+11	
Cs-136	3.7720E+00	5.1466E-08	2.2790E+17	1.3956E+11	
Cs-137	6.6675E+00	7.6654E-05	3.3695E+20	2.4670E+11	

Environment Transport Group Inventory:

Total Release
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Time (h) = 3.5000	Release	Rate/s	
Noble gases (atoms)	7.1303E+23	5.6590E+19	
Elemental I (atoms)	1.3556E+20	1.0759E+16	
Organic I (atoms)	4.1926E+18	3.3275E+14	
Aerosols (kg)	8.7195E-05	6.9203E-09	
Dose Effective (Ci) I-131 (Thyroid)			4.0410E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			5.0733E+03
Total I (Ci)			2.1624E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 3.5000 Leakage Transport

Noble gases (atoms)	1.5130E+00
Elemental I (atoms)	2.8840E-04
Organic I (atoms)	8.9197E-06
Aerosols (kg)	1.8501E-28

Normal Environment to TSC Transport Group Inventory:

Time (h) = 3.5000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0683E+18
Elemental I (atoms)	0.0000E+00	7.7556E+14
Organic I (atoms)	0.0000E+00	2.3986E+13
Aerosols (kg)	0.0000E+00	4.9749E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 3.5000	Pathway	
	Filtered	Transported
Noble gases (atoms)	3.6608E+18	0.0000E+00
Elemental I (atoms)	6.8608E+14	0.0000E+00
Organic I (atoms)	2.1219E+13	0.0000E+00
Aerosols (kg)	4.4773E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 3.5000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3838E+23
Elemental I (atoms)	0.0000E+00	1.4072E+20
Organic I (atoms)	0.0000E+00	4.3521E+18
Aerosols (kg)	0.0000E+00	9.0293E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 3.5000	Ci	kg	Atoms	Decay
Kr-85	3.0148E-01	7.6844E-07	5.4443E+18	1.7678E+16
Kr-85m	4.4890E+00	5.4547E-06	3.8646E+19	2.6323E+17
Kr-87	1.2663E+00	4.4707E-11	3.0946E+14	3.9064E+17
Kr-88	5.1081E+00	4.0737E-10	2.7878E+15	6.2538E+17
Rb-86	7.8949E-06	9.7028E-14	6.7944E+11	4.6508E+11
I-131	1.8186E-01	1.4669E-09	6.7435E+15	1.0779E+16
I-132	9.2120E-02	8.9245E-12	4.0716E+13	1.3430E+16
I-133	3.2756E-01	2.8916E-10	1.3093E+15	2.1221E+16
I-134	2.5334E-02	9.4968E-13	4.2680E+12	1.6791E+16
I-135	2.3900E-01	6.8056E-11	3.0359E+14	1.9197E+16
Xe-133	3.4690E+01	1.8533E-07	8.3915E+17	2.0675E+18
Xe-135	9.8415E+00	3.8538E-09	1.7191E+16	7.2159E+17
Cs-134	8.5583E-04	6.6147E-10	2.9727E+15	5.0189E+13
Cs-136	2.3639E-04	3.2254E-12	1.4282E+13	1.3953E+13
Cs-137	4.2054E-04	4.8348E-09	2.1252E+16	2.4659E+13

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MVP Holdup Transport Group Inventory:

Time (h) =	3.5000	Atmosphere	Sump
Noble gases (atoms)		4.4950E+19	0.0000E+00
Elemental I (atoms)		8.1493E+15	0.0000E+00
Organic I (atoms)		2.5204E+14	0.0000E+00
Aerosols (kg)		5.4996E-09	0.0000E+00
Dose Effective (Ci/cc)		I-131 (Thyroid)	2.7341E-09
Dose Effective (Ci/cc)		I-131 (ICRP2 Thyroid)	3.2854E-09
Total I (Ci)			8.6588E-01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

		Pathway	
Time (h) =	3.5000	Filtered	Transported
Noble gases (atoms)		0.0000E+00	7.1302E+23
Elemental I (atoms)		0.0000E+00	1.3592E+20
Organic I (atoms)		0.0000E+00	4.2036E+18
Aerosols (kg)		0.0000E+00	8.7192E-05

MVP Holdup to Environment Transport Group Inventory:

		Pathway	
Time (h) =	3.5000	Filtered	Transported
Noble gases (atoms)		0.0000E+00	7.3838E+23
Elemental I (atoms)		0.0000E+00	1.4072E+20
Organic I (atoms)		0.0000E+00	4.3521E+18
Aerosols (kg)		0.0000E+00	9.0293E-05

Detailed model information at time (H) = 4.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) =	4.0000	whole Body	Thyroid	TEDE
Delta dose (rem)		1.1635E-04	3.5967E-03	2.2937E-04
Accumulated dose (rem)		4.8332E+00	6.8702E+01	7.0145E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	4.0000	whole Body	Thyroid	TEDE
Delta dose (rem)		1.1538E-04	3.5668E-03	2.2747E-04
Accumulated dose (rem)		2.2897E+00	3.2878E+01	3.3333E+00

TSC Doses:

Time (h) =	4.0000	whole Body	Thyroid	TEDE
Delta dose (rem)		7.4443E-04	6.2973E-01	2.0533E-02
Accumulated dose (rem)		3.6659E-02	1.8729E+01	6.2849E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	4.0000	Ci	kg	Atoms	Decay
Kr-85		1.8591E+00	4.7386E-06	3.3572E+19	2.9393E+17
Kr-85m		2.7681E+01	3.3636E-05	2.3831E+20	4.3766E+18
Kr-87		5.9461E+00	2.0992E-10	1.4531E+15	6.5068E+18
Kr-88		2.7881E+01	2.2235E-09	1.5216E+16	1.0405E+19
Rb-86		4.8647E-05	5.9786E-13	4.1865E+12	7.7327E+12
I-131		1.1194E+00	9.0296E-09	4.1510E+16	1.7922E+17
I-132		4.8860E-01	4.7335E-11	2.1595E+14	2.2351E+17
I-133		1.9865E+00	1.7536E-09	7.9403E+15	3.5286E+17
I-134		1.0521E-01	3.9439E-12	1.7724E+13	2.7996E+17
I-135		1.3985E+00	3.9823E-10	1.7764E+15	3.1927E+17
Xe-133		2.1333E+02	1.1397E-06	5.1605E+18	3.4376E+19
Xe-135		5.8463E+01	2.2893E-08	1.0212E+17	1.2000E+19

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Cs-134	5.2774E-03	4.0789E-09	1.8331E+16	8.3448E+14
Cs-136	1.4561E-03	1.9867E-11	8.7973E+13	2.3199E+14
Cs-137	2.5932E-03	2.9814E-08	1.3105E+17	4.1000E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	4.0000	Atmosphere	Sump	
Noble gases (atoms)	2.7716E+20	0.0000E+00		
Elemental I (atoms)	4.9916E+16	0.0000E+00		
Organic I (atoms)	1.5438E+15	0.0000E+00		
Aerosols (kg)	3.3913E-08	0.0000E+00		
Dose Effective (Ci/cc) I-131 (Thyroid)				9.5902E-10
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)				1.1469E-09
Total I (Ci)				5.0983E+00

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 4.0000 Leakage Transport

Noble gases (atoms)	1.5140E+00
Elemental I (atoms)	2.8858E-04
Organic I (atoms)	8.9252E-06
Aerosols (kg)	1.8513E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	4.0000	Pathway	
		Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1348E+23	
Elemental I (atoms)	0.0000E+00	1.3600E+20	
Organic I (atoms)	0.0000E+00	4.2062E+18	
Aerosols (kg)	0.0000E+00	8.7248E-05	

Environment Integral Nuclide Release:

Time (h) =	4.0000	Ci	kg	Atoms	Bq
Kr-85		4.7833E+03	1.2192E-02	8.6378E+22	1.7698E+14
Kr-85m		7.1223E+04	8.6546E-02	6.1316E+23	2.6353E+15
Kr-87		1.0149E+05	3.5830E-06	2.4802E+19	3.7552E+15
Kr-88		1.6614E+05	1.3249E-05	9.0670E+19	6.1471E+15
Rb-86		1.2582E-01	1.5464E-09	1.0828E+16	4.6555E+09
I-131		2.9157E+03	2.3518E-05	1.0812E+20	1.0788E+14
I-132		3.5527E+03	3.4418E-07	1.5702E+18	1.3145E+14
I-133		5.7273E+03	5.0559E-06	2.2893E+19	2.1191E+14
I-134		4.2845E+03	1.6061E-07	7.2179E+17	1.5853E+14
I-135		5.1532E+03	1.4674E-06	6.5457E+18	1.9067E+14
Xe-133		5.5919E+05	2.9874E-03	1.3527E+22	2.0690E+16
Xe-135		1.9416E+05	7.6031E-05	3.3916E+20	7.1840E+15
Cs-134		1.3580E+01	1.0496E-05	4.7169E+19	5.0245E+11
Cs-136		3.7746E+00	5.1502E-08	2.2805E+17	1.3966E+11
Cs-137		6.6721E+00	7.6707E-05	3.3718E+20	2.4687E+11

Environment Transport Group Inventory:

Time (h) =	4.0000	Total Release	Release Rate/s	
Noble gases (atoms)		7.1352E+23	4.9550E+19	
Elemental I (atoms)		1.3565E+20	9.4202E+15	
Organic I (atoms)		4.1954E+18	2.9134E+14	
Aerosols (kg)		8.7256E-05	6.0594E-09	
Dose Effective (Ci) I-131 (Thyroid)				4.0436E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)				5.0765E+03
Total I (Ci)				2.1633E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

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Time (h) = 4.0000 Leakage Transport

Noble gases (atoms)	1.5140E+00
Elemental I (atoms)	2.8858E-04
Organic I (atoms)	8.9252E-06
Aerosols (kg)	1.8513E-28

Normal Environment to TSC Transport Group Inventory:

Time (h) = 4.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0683E+18
Elemental I (atoms)	0.0000E+00	7.7557E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 4.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	3.7925E+18	0.0000E+00
Elemental I (atoms)	7.0990E+14	0.0000E+00
Organic I (atoms)	2.1956E+13	0.0000E+00
Aerosols (kg)	4.6385E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 4.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3887E+23
Elemental I (atoms)	0.0000E+00	1.4081E+20
Organic I (atoms)	0.0000E+00	4.3549E+18
Aerosols (kg)	0.0000E+00	9.0354E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 4.0000	Ci	kg	Atoms	Decay
Kr-85	1.1294E-01	2.8788E-07	2.0396E+18	1.7690E+16
Kr-85m	1.6817E+00	2.0435E-06	1.4478E+19	2.6340E+17
Kr-87	3.6124E-01	1.2753E-11	8.8276E+13	3.9068E+17
Kr-88	1.6938E+00	1.3508E-10	9.2441E+14	6.2556E+17
Rb-86	2.9554E-06	3.6321E-14	2.5434E+11	4.6538E+11
I-131	6.8009E-02	5.4857E-10	2.5218E+15	1.0786E+16
I-132	2.9684E-02	2.8757E-12	1.3120E+13	1.3434E+16
I-133	1.2069E-01	1.0654E-10	4.8239E+14	2.1233E+16
I-134	6.3918E-03	2.3960E-13	1.0768E+12	1.6792E+16
I-135	8.4964E-02	2.4193E-11	1.0792E+14	1.9206E+16
Xe-133	1.2960E+01	6.9240E-08	3.1351E+17	2.0689E+18
Xe-135	3.5518E+00	1.3908E-09	6.2042E+15	7.2197E+17
Cs-134	3.2061E-04	2.4780E-10	1.1137E+15	5.0222E+13
Cs-136	8.8461E-05	1.2070E-12	5.3446E+12	1.3962E+13
Cs-137	1.5755E-04	1.8112E-09	7.9617E+15	2.4675E+13

MVP Holdup Transport Group Inventory:

Time (h) = 4.0000	Atmosphere	Sump	
Noble gases (atoms)	1.6838E+19	0.0000E+00	
Elemental I (atoms)	3.0325E+15	0.0000E+00	
Organic I (atoms)	9.3789E+13	0.0000E+00	
Aerosols (kg)	2.0603E-09	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.0173E-09
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		1.2166E-09
Total I (Ci)			3.0973E-01

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DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 4.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1348E+23
Elemental I (atoms)	0.0000E+00	1.3600E+20
Organic I (atoms)	0.0000E+00	4.2062E+18
Aerosols (kg)	0.0000E+00	8.7248E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 4.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3887E+23
Elemental I (atoms)	0.0000E+00	1.4081E+20
Organic I (atoms)	0.0000E+00	4.3549E+18
Aerosols (kg)	0.0000E+00	9.0354E-05

Detailed model information at time (H) = 4.5000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 4.5000	whole Body	Thyroid	TEDE
Delta dose (rem)	3.9386E-05	1.3383E-03	8.1408E-05
Accumulated dose (rem)	4.8333E+00	6.8703E+01	7.0146E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 4.5000	whole Body	Thyroid	TEDE
Delta dose (rem)	3.9059E-05	1.3272E-03	8.0731E-05
Accumulated dose (rem)	2.2897E+00	3.2879E+01	3.3334E+00

TSC Doses:

Time (h) = 4.5000	whole Body	Thyroid	TEDE
Delta dose (rem)	4.5316E-04	4.2127E-01	1.3680E-02
Accumulated dose (rem)	3.7112E-02	1.9150E+01	6.4217E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 4.5000	Ci	kg	Atoms	Decay
Kr-85	6.9647E-01	1.7752E-06	1.2577E+19	2.9401E+17
Kr-85m	1.0370E+01	1.2601E-05	8.9277E+19	4.3777E+18
Kr-87	1.6962E+00	5.9881E-11	4.1450E+14	6.5070E+18
Kr-88	9.2450E+00	7.3729E-10	5.0455E+15	1.0406E+19
Rb-86	1.8210E-05	2.2380E-13	1.5672E+12	7.7346E+12
I-131	4.1862E-01	3.3767E-09	1.5523E+16	1.7926E+17
I-132	1.5744E-01	1.5253E-11	6.9586E+13	2.2352E+17
I-133	7.3191E-01	6.4610E-10	2.9255E+15	3.5294E+17
I-134	2.6544E-02	9.9503E-13	4.4718E+12	2.7996E+17
I-135	4.9717E-01	1.4157E-10	6.3151E+14	3.1932E+17
Xe-133	7.9703E+01	4.2581E-07	1.9280E+18	3.4385E+19
Xe-135	2.1099E+01	8.2620E-09	3.6856E+16	1.2002E+19
Cs-134	1.9770E-03	1.5280E-09	6.8672E+15	8.3468E+14
Cs-136	5.4489E-04	7.4347E-12	3.2921E+13	2.3204E+14
Cs-137	9.7150E-04	1.1169E-08	4.9096E+16	4.1010E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 4.5000	Atmosphere	Sump
Noble gases (atoms)	1.0382E+20	0.0000E+00
Elemental I (atoms)	1.8579E+16	0.0000E+00
Organic I (atoms)	5.7462E+14	0.0000E+00
Aerosols (kg)	1.2705E-08	0.0000E+00

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Dose Effective (Ci/cc) I-131 (Thyroid) 3.5688E-10
 Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid) 4.2490E-10
 Total I (Ci) 1.8317E+00

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 4.5000 Leakage Transport

Noble gases (atoms) 1.5143E+00
 Elemental I (atoms) 2.8865E-04
 Organic I (atoms) 8.9272E-06
 Aerosols (kg) 1.8518E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 4.5000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1366E+23
Elemental I (atoms)	0.0000E+00	1.3603E+20
Organic I (atoms)	0.0000E+00	4.2072E+18
Aerosols (kg)	0.0000E+00	8.7270E-05

Environment Integral Nuclide Release:

Time (h) = 4.5000	Ci	kg	Atoms	Bq
Kr-85	4.7845E+03	1.2195E-02	8.6400E+22	1.7703E+14
Kr-85m	7.1241E+04	8.6568E-02	6.1332E+23	2.6359E+15
Kr-87	1.0149E+05	3.5831E-06	2.4802E+19	3.7553E+15
Kr-88	1.6615E+05	1.3251E-05	9.0679E+19	6.1477E+15
Rb-86	1.2586E-01	1.5468E-09	1.0831E+16	4.6566E+09
I-131	2.9164E+03	2.3524E-05	1.0814E+20	1.0791E+14
I-132	3.5530E+03	3.4421E-07	1.5704E+18	1.3146E+14
I-133	5.7286E+03	5.0570E-06	2.2898E+19	2.1196E+14
I-134	4.2845E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1541E+03	1.4676E-06	6.5468E+18	1.9070E+14
Xe-133	5.5933E+05	2.9882E-03	1.3530E+22	2.0695E+16
Xe-135	1.9420E+05	7.6046E-05	3.3923E+20	7.1855E+15
Cs-134	1.3583E+01	1.0498E-05	4.7182E+19	5.0258E+11
Cs-136	3.7756E+00	5.1515E-08	2.2811E+17	1.3970E+11
Cs-137	6.6738E+00	7.6726E-05	3.3727E+20	2.4693E+11

Environment Transport Group Inventory:

Time (h) = 4.5000	Total Release	Release Rate/s	
Noble gases (atoms)	7.1371E+23	4.4056E+19	
Elemental I (atoms)	1.3568E+20	8.3755E+15	
Organic I (atoms)	4.1964E+18	2.5904E+14	
Aerosols (kg)	8.7278E-05	5.3875E-09	
Dose Effective (Ci) I-131 (Thyroid)			4.0446E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			5.0777E+03
Total I (Ci)			2.1637E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 4.5000 Leakage Transport

Noble gases (atoms) 1.5143E+00
 Elemental I (atoms) 2.8865E-04
 Organic I (atoms) 8.9272E-06
 Aerosols (kg) 1.8518E-28

Normal Environment to TSC Transport Group Inventory:

Pathway

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Time (h) = 4.5000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7557E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway	
Time (h) = 4.5000	Filtered	Transported
Noble gases (atoms)	3.8812E+18	0.0000E+00
Elemental I (atoms)	7.2584E+14	0.0000E+00
Organic I (atoms)	2.2449E+13	0.0000E+00
Aerosols (kg)	4.7471E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 4.5000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3906E+23
Elemental I (atoms)	0.0000E+00	1.4084E+20
Organic I (atoms)	0.0000E+00	4.3559E+18
Aerosols (kg)	0.0000E+00	9.0376E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 4.5000	Ci	kg	Atoms	Decay
Kr-85	4.2312E-02	1.0785E-07	7.6408E+17	1.7694E+16
Kr-85m	6.3000E-01	7.6554E-07	5.4237E+18	2.6347E+17
Kr-87	1.0305E-01	3.6379E-12	2.5182E+13	3.9070E+17
Kr-88	5.6166E-01	4.4792E-11	3.0653E+14	6.2563E+17
Rb-86	1.1063E-06	1.3597E-14	9.5210E+10	4.6550E+11
I-131	2.5432E-02	2.0514E-10	9.4304E+14	1.0789E+16
I-132	9.5648E-03	9.2663E-13	4.2275E+12	1.3435E+16
I-133	4.4465E-02	3.9252E-11	1.7773E+14	2.1238E+16
I-134	1.6126E-03	6.0450E-14	2.7167E+11	1.6792E+16
I-135	3.0204E-02	8.6006E-12	3.8366E+13	1.9209E+16
Xe-133	4.8421E+00	2.5869E-08	1.1713E+17	2.0694E+18
Xe-135	1.2818E+00	5.0194E-10	2.2391E+15	7.2210E+17
Cs-134	1.2011E-04	9.2832E-11	4.1720E+14	5.0234E+13
Cs-136	3.3103E-05	4.5167E-13	2.0000E+12	1.3965E+13
Cs-137	5.9021E-05	6.7854E-10	2.9827E+15	2.4681E+13

MVP Holdup Transport Group Inventory:

Time (h) = 4.5000	Atmosphere	Sump	
Noble gases (atoms)	6.3075E+18	0.0000E+00	
Elemental I (atoms)	1.1287E+15	0.0000E+00	
Organic I (atoms)	3.4909E+13	0.0000E+00	
Aerosols (kg)	7.7184E-10	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			3.7856E-10
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			4.5071E-10
Total I (Ci)			1.1128E-01

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 4.5000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1366E+23
Elemental I (atoms)	0.0000E+00	1.3603E+20
Organic I (atoms)	0.0000E+00	4.2072E+18
Aerosols (kg)	0.0000E+00	8.7270E-05

MVP Holdup to Environment Transport Group Inventory:

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	Pathway	
Time (h) = 4.5000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3906E+23
Elemental I (atoms)	0.0000E+00	1.4084E+20
Organic I (atoms)	0.0000E+00	4.3559E+18
Aerosols (kg)	0.0000E+00	9.0376E-05

Detailed model information at time (H) = 5.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 5.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.3387E-05	4.9803E-04	2.9014E-05
Accumulated dose (rem)	4.8333E+00	6.8703E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 5.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.3276E-05	4.9389E-04	2.8773E-05
Accumulated dose (rem)	2.2897E+00	3.2880E+01	3.3334E+00

TSC Doses:

Time (h) = 5.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	2.7696E-04	2.8185E-01	9.1201E-03
Accumulated dose (rem)	3.7389E-02	1.9432E+01	6.5129E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 5.0000	Ci	kg	Atoms	Decay
Kr-85	2.6092E-01	6.6504E-07	4.7117E+18	2.9403E+17
Kr-85m	3.8849E+00	4.7207E-06	3.3445E+19	4.3781E+18
Kr-87	4.8385E-01	1.7082E-11	1.1824E+14	6.5071E+18
Kr-88	3.0656E+00	2.4448E-10	1.6731E+15	1.0407E+19
Rb-86	6.8168E-06	8.3779E-14	5.8666E+11	7.7353E+12
I-131	1.5655E-01	1.2627E-09	5.8049E+15	1.7928E+17
I-132	5.0731E-02	4.9148E-12	2.2422E+13	2.2353E+17
I-133	2.6966E-01	2.3805E-10	1.0779E+15	3.5296E+17
I-134	6.6970E-03	2.5104E-13	1.1282E+12	2.7996E+17
I-135	1.7674E-01	5.0327E-11	2.2450E+14	3.1934E+17
Xe-133	2.9778E+01	1.5908E-07	7.2032E+17	3.4388E+19
Xe-135	7.6144E+00	2.9817E-09	1.3301E+16	1.2003E+19
Cs-134	7.4064E-04	5.7244E-10	2.5726E+15	8.3475E+14
Cs-136	2.0391E-04	2.7822E-12	1.2320E+13	2.3207E+14
Cs-137	3.6395E-04	4.1842E-09	1.8393E+16	4.1014E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 5.0000	Atmosphere	Sump	
Noble gases (atoms)	3.8892E+19	0.0000E+00	
Elemental I (atoms)	6.9169E+15	0.0000E+00	
Organic I (atoms)	2.1392E+14	0.0000E+00	
Aerosols (kg)	4.7596E-09	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.3282E-10
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			1.5749E-10
Total I (Ci)			6.6038E-01

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 5.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8867E-04
Organic I (atoms)	8.9280E-06

Aerosols (kg) 1.8520E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 5.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1372E+23
Elemental I (atoms)	0.0000E+00	1.3604E+20
Organic I (atoms)	0.0000E+00	4.2075E+18
Aerosols (kg)	0.0000E+00	8.7278E-05

Environment Integral Nuclide Release:

Time (h) = 5.0000	Ci	kg	Atoms	Bq
Kr-85	4.7850E+03	1.2196E-02	8.6409E+22	1.7705E+14
Kr-85m	7.1248E+04	8.6576E-02	6.1338E+23	2.6362E+15
Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88	1.6616E+05	1.3251E-05	9.0682E+19	6.1479E+15
Rb-86	1.2587E-01	1.5469E-09	1.0832E+16	4.6571E+09
I-131	2.9167E+03	2.3527E-05	1.0815E+20	1.0792E+14
I-132	3.5531E+03	3.4422E-07	1.5704E+18	1.3147E+14
I-133	5.7291E+03	5.0574E-06	2.2900E+19	2.1198E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1544E+03	1.4677E-06	6.5472E+18	1.9071E+14
Xe-133	5.5938E+05	2.9884E-03	1.3531E+22	2.0697E+16
Xe-135	1.9422E+05	7.6052E-05	3.3925E+20	7.1860E+15
Cs-134	1.3585E+01	1.0499E-05	4.7186E+19	5.0263E+11
Cs-136	3.7759E+00	5.1520E-08	2.2813E+17	1.3971E+11
Cs-137	6.6745E+00	7.6734E-05	3.3730E+20	2.4695E+11

Environment Transport Group Inventory:

Time (h) = 5.0000	Total Release	Release Rate/s	
Noble gases (atoms)	7.1378E+23	3.9654E+19	
Elemental I (atoms)	1.3570E+20	7.5386E+15	
Organic I (atoms)	4.1968E+18	2.3315E+14	
Aerosols (kg)	8.7286E-05	4.8492E-09	
Dose Effective (Ci) I-131 (Thyroid)			4.0450E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			5.0781E+03
Total I (Ci)			2.1638E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 5.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8867E-04
Organic I (atoms)	8.9280E-06
Aerosols (kg)	1.8520E-28

Normal Environment to TSC Transport Group Inventory:

Time (h) = 5.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 5.0000	Pathway	
	Filtered	Transported

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Noble gases (atoms)	3.9410E+18	0.0000E+00
Elemental I (atoms)	7.3651E+14	0.0000E+00
Organic I (atoms)	2.2779E+13	0.0000E+00
Aerosols (kg)	4.8202E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 5.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3913E+23
Elemental I (atoms)	0.0000E+00	1.4085E+20
Organic I (atoms)	0.0000E+00	4.3563E+18
Aerosols (kg)	0.0000E+00	9.0384E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 5.0000	Ci	kg	Atoms	Decay
Kr-85	1.5851E-02	4.0402E-08	2.8625E+17	1.7696E+16
Kr-85m	2.3602E-01	2.8679E-07	2.0319E+18	2.6349E+17
Kr-87	2.9395E-02	1.0378E-12	7.1833E+12	3.9070E+17
Kr-88	1.8624E-01	1.4853E-11	1.0164E+14	6.2565E+17
Rb-86	4.1414E-07	5.0897E-15	3.5641E+10	4.6554E+11
I-131	9.5106E-03	7.6714E-11	3.5266E+14	1.0789E+16
I-132	3.0820E-03	2.9858E-13	1.3622E+12	1.3435E+16
I-133	1.6383E-02	1.4462E-11	6.5483E+13	2.1240E+16
I-134	4.0686E-04	1.5251E-14	6.8542E+10	1.6792E+16
I-135	1.0737E-02	3.0574E-12	1.3639E+13	1.9210E+16
Xe-133	1.8091E+00	9.6647E-09	4.3761E+16	2.0695E+18
Xe-135	4.6259E-01	1.8114E-10	8.0805E+14	7.2215E+17
Cs-134	4.4995E-05	3.4777E-11	1.5629E+14	5.0239E+13
Cs-136	1.2388E-05	1.6902E-13	7.4844E+11	1.3966E+13
Cs-137	2.2111E-05	2.5420E-10	1.1174E+15	2.4684E+13

MVP Holdup Transport Group Inventory:

Time (h) = 5.0000	Atmosphere	Sump	
Noble gases (atoms)	2.3628E+18	0.0000E+00	
Elemental I (atoms)	4.2021E+14	0.0000E+00	
Organic I (atoms)	1.2996E+13	0.0000E+00	
Aerosols (kg)	2.8915E-10	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.4089E-10
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			1.6705E-10
Total I (Ci)			4.0119E-02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 5.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1372E+23
Elemental I (atoms)	0.0000E+00	1.3604E+20
Organic I (atoms)	0.0000E+00	4.2075E+18
Aerosols (kg)	0.0000E+00	8.7278E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 5.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3913E+23
Elemental I (atoms)	0.0000E+00	1.4085E+20
Organic I (atoms)	0.0000E+00	4.3563E+18
Aerosols (kg)	0.0000E+00	9.0384E-05

Detailed model information at time (H) = 5.5000

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CRDA @ EAB - Condenser Release Doses:

Time (h) =	5.5000	Whole Body	Thyroid	TEDE
Delta dose (rem)		4.5680E-06	1.8536E-04	1.0380E-05
Accumulated dose (rem)		4.8333E+00	6.8704E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	5.5000	Whole Body	Thyroid	TEDE
Delta dose (rem)		4.5300E-06	1.8382E-04	1.0294E-05
Accumulated dose (rem)		2.2897E+00	3.2880E+01	3.3335E+00

TSC Doses:

Time (h) =	5.5000	Whole Body	Thyroid	TEDE
Delta dose (rem)		1.6992E-04	1.8859E-01	6.0831E-03
Accumulated dose (rem)		3.7559E-02	1.9620E+01	6.5737E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	5.5000	Ci	kg	Atoms	Decay
Kr-85		9.7747E-02	2.4914E-07	1.7651E+18	2.9404E+17
Kr-85m		1.4554E+00	1.7685E-06	1.2530E+19	4.3783E+18
Kr-87		1.3802E-01	4.8728E-12	3.3729E+13	6.5071E+18
Kr-88		1.0165E+00	8.1067E-11	5.5477E+14	1.0407E+19
Rb-86		2.5518E-06	3.1362E-14	2.1961E+11	7.7356E+12
I-131		5.8542E-02	4.7221E-10	2.1708E+15	1.7928E+17
I-132		1.6347E-02	1.5837E-12	7.2251E+12	2.2353E+17
I-133		9.9355E-02	8.7707E-11	3.9713E+14	3.5298E+17
I-134		1.6896E-03	6.3338E-14	2.8465E+11	2.7996E+17
I-135		6.2830E-02	1.7891E-11	7.9808E+13	3.1934E+17
Xe-133		1.1125E+01	5.9435E-08	2.6912E+17	3.4389E+19
Xe-135		2.7479E+00	1.0760E-09	4.8001E+15	1.2003E+19
Cs-134		2.7746E-04	2.1445E-10	9.6376E+14	8.3478E+14
Cs-136		7.6306E-05	1.0411E-12	4.6102E+12	2.3207E+14
Cs-137		1.3635E-04	1.5675E-09	6.8905E+15	4.1015E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	5.5000	Atmosphere	Sump
Noble gases (atoms)		1.4569E+19	0.0000E+00
Elemental I (atoms)		2.5756E+15	0.0000E+00
Organic I (atoms)		7.9656E+13	0.0000E+00
Aerosols (kg)		1.7831E-09	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)			4.9439E-11
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			5.8394E-11
Total I (Ci)			2.3876E-01

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 5.5000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8868E-04
Organic I (atoms)	8.9283E-06
Aerosols (kg)	1.8520E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	5.5000	Pathway	Transported
Noble gases (atoms)		Filtered	7.1375E+23
Elemental I (atoms)		0.0000E+00	1.3605E+20
Organic I (atoms)		0.0000E+00	4.2076E+18
Aerosols (kg)		0.0000E+00	8.7281E-05

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Environment Integral Nuclide Release:

Time (h) = 5.5000	Ci	kg	Atoms	Bq
Kr-85	4.7852E+03	1.2197E-02	8.6412E+22	1.7705E+14
Kr-85m	7.1251E+04	8.6579E-02	6.1340E+23	2.6363E+15
Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88	1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6573E+09
I-131	2.9168E+03	2.3527E-05	1.0816E+20	1.0792E+14
I-132	3.5531E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133	5.7293E+03	5.0576E-06	2.2900E+19	2.1198E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1545E+03	1.4677E-06	6.5474E+18	1.9072E+14
Xe-133	5.5940E+05	2.9885E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6054E-05	3.3926E+20	7.1861E+15
Cs-134	1.3585E+01	1.0500E-05	4.7188E+19	5.0265E+11
Cs-136	3.7761E+00	5.1522E-08	2.2814E+17	1.3971E+11
Cs-137	6.6747E+00	7.6737E-05	3.3731E+20	2.4696E+11

Environment Transport Group Inventory:

Time (h) = 5.5000	Total Release	Release Rate/s	
Noble gases (atoms)	7.1380E+23	3.6051E+19	
Elemental I (atoms)	1.3570E+20	6.8535E+15	
Organic I (atoms)	4.1969E+18	2.1197E+14	
Aerosols (kg)	8.7290E-05	4.4086E-09	
Dose Effective (Ci) I-131 (Thyroid)			4.0451E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			5.0783E+03
Total I (Ci)			2.1638E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 5.5000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8868E-04
Organic I (atoms)	8.9283E-06
Aerosols (kg)	1.8520E-28

Normal Environment to TSC Transport Group Inventory:

Time (h) = 5.5000	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 5.5000	Pathway Filtered	Transported
Noble gases (atoms)	3.9812E+18	0.0000E+00
Elemental I (atoms)	7.4365E+14	0.0000E+00
Organic I (atoms)	2.2999E+13	0.0000E+00
Aerosols (kg)	4.8694E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 5.5000	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3915E+23

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Elemental I (atoms) 0.0000E+00 1.4086E+20
 Organic I (atoms) 0.0000E+00 4.3564E+18
 Aerosols (kg) 0.0000E+00 9.0388E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 5.5000	Ci	kg	Atoms	Decay
Kr-85	5.9383E-03	1.5136E-08	1.0724E+17	1.7697E+16
Kr-85m	8.8418E-02	1.0744E-07	7.6120E+17	2.6350E+17
Kr-87	8.3852E-03	2.9603E-13	2.0491E+12	3.9070E+17
Kr-88	6.1756E-02	4.9250E-12	3.3703E+13	6.2565E+17
Rb-86	1.5503E-07	1.9053E-15	1.3342E+10	4.6555E+11
I-131	3.5566E-03	2.8688E-11	1.3188E+14	1.0790E+16
I-132	9.9311E-04	9.6212E-14	4.3894E+11	1.3435E+16
I-133	6.0360E-03	5.3284E-12	2.4126E+13	2.1240E+16
I-134	1.0265E-04	3.8479E-15	1.7293E+10	1.6792E+16
I-135	3.8170E-03	1.0869E-12	4.8485E+12	1.9211E+16
Xe-133	6.7588E-01	3.6108E-09	1.6350E+16	2.0696E+18
Xe-135	1.6694E-01	6.5372E-11	2.9161E+14	7.2217E+17
Cs-134	1.6856E-05	1.3028E-11	5.8551E+13	5.0241E+13
Cs-136	4.6357E-06	6.3251E-14	2.8008E+11	1.3967E+13
Cs-137	8.2834E-06	9.5231E-11	4.1861E+14	2.4684E+13

MVP Holdup Transport Group Inventory:

Time (h) = 5.5000	Atmosphere	Sump
Noble gases (atoms)	8.8511E+17	0.0000E+00
Elemental I (atoms)	1.5647E+14	0.0000E+00
Organic I (atoms)	4.8393E+12	0.0000E+00
Aerosols (kg)	1.0832E-10	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		5.2443E-11
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		6.1941E-11
Total I (Ci)		1.4505E-02

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 5.5000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1375E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2076E+18
Aerosols (kg)	0.0000E+00	8.7281E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 5.5000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3915E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3564E+18
Aerosols (kg)	0.0000E+00	9.0388E-05

Detailed model information at time (H) = 6.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 6.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	1.5645E-06	6.8999E-05	3.7268E-06
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 6.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	1.5515E-06	6.8426E-05	3.6958E-06

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Accumulated dose (rem) 2.2897E+00 3.2880E+01 3.3335E+00

TSC Doses:

Time (h) = 6.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.0464E-04	1.2620E-01	4.0592E-03
Accumulated dose (rem)	3.7663E-02	1.9747E+01	6.6143E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 6.0000	Ci	kg	Atoms	Decay
Kr-85	3.6619E-02	9.3335E-08	6.6127E+17	2.9405E+17
Kr-85m	5.4523E-01	6.6252E-07	4.6939E+18	4.3783E+18
Kr-87	3.9373E-02	1.3900E-12	9.6216E+12	6.5071E+18
Kr-88	3.3707E-01	2.6881E-11	1.8396E+14	1.0407E+19
Rb-86	9.5524E-07	1.1740E-14	8.2208E+10	7.7357E+12
I-131	2.1892E-02	1.7659E-10	8.1177E+14	1.7929E+17
I-132	5.2674E-03	5.1030E-13	2.3281E+12	2.2353E+17
I-133	3.6606E-02	3.2314E-11	1.4632E+14	3.5298E+17
I-134	4.2629E-04	1.5980E-14	7.1816E+10	2.7996E+17
I-135	2.2335E-02	6.3600E-12	2.8371E+13	3.1935E+17
Xe-133	4.1565E+00	2.2205E-08	1.0054E+17	3.4389E+19
Xe-135	9.9167E-01	3.8832E-10	1.7322E+15	1.2003E+19
Cs-134	1.0394E-04	8.0337E-11	3.6105E+14	8.3479E+14
Cs-136	2.8555E-05	3.8961E-13	1.7252E+12	2.3208E+14
Cs-137	5.1080E-05	5.8725E-10	2.5814E+15	4.1016E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 6.0000	Atmosphere	Sump
Noble gases (atoms)	5.4576E+18	0.0000E+00
Elemental I (atoms)	9.5920E+14	0.0000E+00
Organic I (atoms)	2.9666E+13	0.0000E+00
Aerosols (kg)	6.6798E-10	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.8405E-11
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		2.1659E-11
Total I (Ci)		8.6528E-02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 6.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8868E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8520E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway
Time (h) = 6.0000	Filtered Transported
Noble gases (atoms)	0.0000E+00 7.1376E+23
Elemental I (atoms)	0.0000E+00 1.3605E+20
Organic I (atoms)	0.0000E+00 4.2077E+18
Aerosols (kg)	0.0000E+00 8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 6.0000	Ci	kg	Atoms	Bq
Kr-85	4.7852E+03	1.2197E-02	8.6413E+22	1.7705E+14
Kr-85m	7.1252E+04	8.6581E-02	6.1341E+23	2.6363E+15
Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88	1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6573E+09
I-131	2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14

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I-132	3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133	5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1546E+03	1.4678E-06	6.5474E+18	1.9072E+14
Xe-133	5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6054E-05	3.3927E+20	7.1862E+15
Cs-134	1.3585E+01	1.0500E-05	4.7188E+19	5.0265E+11
Cs-136	3.7761E+00	5.1522E-08	2.2814E+17	1.3972E+11
Cs-137	6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

Environment Transport Group Inventory:

Time (h) =	6.0000	Total Release	Release Rate/s
Noble gases (atoms)		7.1381E+23	3.3047E+19
Elemental I (atoms)		1.3570E+20	6.2825E+15
Organic I (atoms)		4.1970E+18	1.9430E+14
Aerosols (kg)		8.7291E-05	4.0412E-09
Dose Effective (Ci) I-131 (Thyroid)			4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			5.0783E+03
Total I (Ci)			2.1638E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 6.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8868E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8520E-28

Normal Environment to TSC Transport Group Inventory:

Time (h) =	6.0000	Pathway Filtered	Transported
Noble gases (atoms)		0.0000E+00	4.0684E+18
Elemental I (atoms)		0.0000E+00	7.7558E+14
Organic I (atoms)		0.0000E+00	2.3987E+13
Aerosols (kg)		0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) =	6.0000	Pathway Filtered	Transported
Noble gases (atoms)		4.0083E+18	0.0000E+00
Elemental I (atoms)		7.4843E+14	0.0000E+00
Organic I (atoms)		2.3147E+13	0.0000E+00
Aerosols (kg)		4.9026E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) =	6.0000	Pathway Filtered	Transported
Noble gases (atoms)		0.0000E+00	7.3916E+23
Elemental I (atoms)		0.0000E+00	1.4086E+20
Organic I (atoms)		0.0000E+00	4.3565E+18
Aerosols (kg)		0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) =	6.0000	Ci	kg	Atoms	Decay
Kr-85		2.2247E-03	5.6703E-09	4.0174E+16	1.7697E+16
Kr-85m		3.3124E-02	4.0250E-08	2.8516E+17	2.6350E+17
Kr-87		2.3920E-03	8.4446E-14	5.8453E+11	3.9070E+17

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Kr-88	2.0478E-02	1.6331E-12	1.1176E+13	6.2566E+17
Rb-86	5.8033E-08	7.1322E-16	4.9943E+09	4.6556E+11
I-131	1.3300E-03	1.0728E-11	4.9317E+13	1.0790E+16
I-132	3.2001E-04	3.1002E-14	1.4144E+11	1.3435E+16
I-133	2.2239E-03	1.9632E-12	8.8891E+12	2.1241E+16
I-134	2.5898E-05	9.7081E-16	4.3630E+09	1.6792E+16
I-135	1.3569E-03	3.8639E-13	1.7236E+12	1.9211E+16
Xe-133	2.5251E-01	1.3490E-09	6.1083E+15	2.0696E+18
Xe-135	6.0246E-02	2.3591E-11	1.0524E+14	7.2217E+17
Cs-134	6.3147E-06	4.8807E-12	2.1934E+13	5.0241E+13
Cs-136	1.7348E-06	2.3670E-14	1.0481E+11	1.3967E+13
Cs-137	3.1032E-06	3.5676E-11	1.5682E+14	2.4685E+13

MVP Holdup Transport Group Inventory:

Time (h) =	6.0000	Atmosphere	Sump	
Noble gases (atoms)	3.3156E+17	0.0000E+00		
Elemental I (atoms)	5.8273E+13	0.0000E+00		
Organic I (atoms)	1.8023E+12	0.0000E+00		
Aerosols (kg)	4.0581E-11	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)			1.9523E-11
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)			2.2975E-11
Total I (Ci)				5.2567E-03

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

		Pathway	
Time (h) =	6.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23	
Elemental I (atoms)	0.0000E+00	1.3605E+20	
Organic I (atoms)	0.0000E+00	4.2077E+18	
Aerosols (kg)	0.0000E+00	8.7282E-05	

MVP Holdup to Environment Transport Group Inventory:

		Pathway	
Time (h) =	6.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3916E+23	
Elemental I (atoms)	0.0000E+00	1.4086E+20	
Organic I (atoms)	0.0000E+00	4.3565E+18	
Aerosols (kg)	0.0000E+00	9.0389E-05	

Detailed model information at time (H) = 6.5000

CRDA @ EAB - Condenser Release Doses:

Time (h) =	6.5000	Whole Body	Thyroid	TEDE
Delta dose (rem)	5.3781E-07	2.5687E-05	1.3423E-06	
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00	

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	6.5000	Whole Body	Thyroid	TEDE
Delta dose (rem)	5.3334E-07	2.5474E-05	1.3311E-06	
Accumulated dose (rem)	2.2897E+00	3.2880E+01	3.3335E+00	

TSC Doses:

Time (h) =	6.5000	Whole Body	Thyroid	TEDE
Delta dose (rem)	6.4676E-05	8.4461E-02	2.7098E-03	
Accumulated dose (rem)	3.7728E-02	1.9831E+01	6.6414E-01	

DAEC Condenser - CRDA Compartment Nuclide Inventory:

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Time (h) =	6.5000	Ci	kg	Atoms	Decay
Kr-85		1.3718E-02	3.4966E-08	2.4773E+17	2.9405E+17
Kr-85m		2.0426E-01	2.4820E-07	1.7585E+18	4.3783E+18
Kr-87		1.1231E-02	3.9651E-13	2.7447E+12	6.5071E+18
Kr-88		1.1177E-01	8.9136E-12	6.0999E+13	1.0407E+19
Rb-86		3.5759E-07	4.3947E-15	3.0774E+10	7.7357E+12
I-131		8.1867E-03	6.6036E-11	3.0357E+14	1.7929E+17
I-132		1.6973E-03	1.6443E-13	7.5018E+11	2.2353E+17
I-133		1.3487E-02	1.1906E-11	5.3909E+13	3.5298E+17
I-134		1.0755E-04	4.0317E-15	1.8119E+10	2.7996E+17
I-135		7.9401E-03	2.2609E-12	1.0086E+13	3.1935E+17
Xe-133		1.5529E+00	8.2961E-09	3.7564E+16	3.4389E+19
Xe-135		3.5787E-01	1.4014E-10	6.2513E+14	1.2003E+19
Cs-134		3.8939E-05	3.0096E-11	1.3526E+14	8.3480E+14
Cs-136		1.0686E-05	1.4580E-13	6.4560E+11	2.3208E+14
Cs-137		1.9136E-05	2.2000E-10	9.6705E+14	4.1016E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	6.5000	Atmosphere	Sump
Noble gases (atoms)		2.0444E+18	0.0000E+00
Elemental I (atoms)		3.5728E+14	0.0000E+00
Organic I (atoms)		1.1050E+13	0.0000E+00
Aerosols (kg)		2.5025E-10	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)			6.8522E-12
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			8.0359E-12
Total I (Ci)			3.1419E-02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 6.5000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8520E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	6.5000	Pathway	Filtered	Transported
Noble gases (atoms)			0.0000E+00	7.1376E+23
Elemental I (atoms)			0.0000E+00	1.3605E+20
Organic I (atoms)			0.0000E+00	4.2077E+18
Aerosols (kg)			0.0000E+00	8.7282E-05

Environment Integral Nuclide Release:

Time (h) =	6.5000	Ci	kg	Atoms	Bq
Kr-85		4.7853E+03	1.2197E-02	8.6413E+22	1.7705E+14
Kr-85m		7.1252E+04	8.6581E-02	6.1342E+23	2.6363E+15
Kr-87		1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88		1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86		1.2587E-01	1.5470E-09	1.0833E+16	4.6573E+09
I-131		2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132		3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133		5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134		4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135		5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133		5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135		1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134		1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11
Cs-136		3.7761E+00	5.1522E-08	2.2814E+17	1.3972E+11
Cs-137		6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

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Environment Transport Group Inventory:

	Total Release	Release Rate/s	
Time (h) = 6.5000			
Noble gases (atoms)	7.1382E+23	3.0505E+19	
Elemental I (atoms)	1.3570E+20	5.7992E+15	
Organic I (atoms)	4.1970E+18	1.7936E+14	
Aerosols (kg)	8.7291E-05	3.7304E-09	
Dose Effective (Ci) I-131 (Thyroid)			4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			5.0783E+03
Total I (Ci)			2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 6.5000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8520E-28

Normal Environment to TSC Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 6.5000		
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 6.5000		
Noble gases (atoms)	4.0265E+18	0.0000E+00
Elemental I (atoms)	7.5163E+14	0.0000E+00
Organic I (atoms)	2.3246E+13	0.0000E+00
Aerosols (kg)	4.9249E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 6.5000		
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 6.5000	Ci	kg	Atoms	Decay
Kr-85	8.3342E-04	2.1243E-09	1.5050E+16	1.7697E+16
Kr-85m	1.2409E-02	1.5079E-08	1.0683E+17	2.6351E+17
Kr-87	6.8234E-04	2.4089E-14	1.6674E+11	3.9070E+17
Kr-88	6.7902E-03	5.4152E-13	3.7058E+12	6.2566E+17
Rb-86	2.1724E-08	2.6699E-16	1.8696E+09	4.6556E+11
I-131	4.9736E-04	4.0118E-12	1.8442E+13	1.0790E+16
I-132	1.0311E-04	9.9896E-15	4.5575E+10	1.3435E+16
I-133	8.1937E-04	7.2331E-13	3.2751E+12	2.1241E+16
I-134	6.5340E-06	2.4493E-16	1.1008E+09	1.6792E+16
I-135	4.8238E-04	1.3736E-13	6.1273E+11	1.9211E+16
Xe-133	9.4341E-02	5.0401E-10	2.2821E+15	2.0696E+18
Xe-135	2.1741E-02	8.5136E-12	3.7978E+13	7.2217E+17
Cs-134	2.3656E-06	1.8284E-12	8.2171E+12	5.0241E+13

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Cs-136	6.4918E-07	8.8576E-15	3.9222E+10	1.3967E+13
Cs-137	1.1625E-06	1.3365E-11	5.8751E+13	2.4685E+13

MVP Holdup Transport Group Inventory:

Time (h) =	6.5000	Atmosphere	Sump	
Noble gases (atoms)	1.2420E+17	0.0000E+00		
Elemental I (atoms)	2.1706E+13	0.0000E+00		
Organic I (atoms)	6.7131E+11	0.0000E+00		
Aerosols (kg)	1.5203E-11	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)			7.2685E-12
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)			8.5241E-12
Total I (Ci)				1.9088E-03

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

		Pathway	
Time (h) =	6.5000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23	
Elemental I (atoms)	0.0000E+00	1.3605E+20	
Organic I (atoms)	0.0000E+00	4.2077E+18	
Aerosols (kg)	0.0000E+00	8.7282E-05	

MVP Holdup to Environment Transport Group Inventory:

		Pathway	
Time (h) =	6.5000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23	
Elemental I (atoms)	0.0000E+00	1.4086E+20	
Organic I (atoms)	0.0000E+00	4.3565E+18	
Aerosols (kg)	0.0000E+00	9.0389E-05	

Detailed model information at time (H) = 7.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) =	7.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.8552E-07	9.5639E-06	4.8490E-07	
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00	

CRDA @ LPZ - Condenser Release Doses:

Time (h) =	7.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.8398E-07	9.4844E-06	4.8087E-07	
Accumulated dose (rem)	2.2897E+00	3.2880E+01	3.3335E+00	

TSC Doses:

Time (h) =	7.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	4.0114E-05	5.6532E-02	1.8097E-03	
Accumulated dose (rem)	3.7768E-02	1.9888E+01	6.6595E-01	

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) =	7.0000	Ci	kg	Atoms	Decay
Kr-85	5.1393E-03	1.3099E-08	9.2807E+16	2.9405E+17	
Kr-85m	7.6520E-02	9.2982E-08	6.5876E+17	4.3783E+18	
Kr-87	3.2039E-03	1.1311E-13	7.8294E+11	6.5071E+18	
Kr-88	3.7062E-02	2.9557E-12	2.0227E+13	1.0407E+19	
Rb-86	1.3386E-07	1.6451E-15	1.1520E+10	7.7357E+12	
I-131	3.0615E-03	2.4694E-11	1.1352E+14	1.7929E+17	
I-132	5.4691E-04	5.2984E-14	2.4173E+11	2.2353E+17	
I-133	4.9692E-03	4.3866E-12	1.9862E+13	3.5298E+17	
I-134	2.7135E-05	1.0172E-15	4.5713E+09	2.7996E+17	

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I-135	2.8227E-03	8.0375E-13	3.5854E+12	3.1935E+17
Xe-133	5.8017E-01	3.0995E-09	1.4034E+16	3.4389E+19
Xe-135	1.2915E-01	5.0572E-11	2.2559E+14	1.2003E+19
Cs-134	1.4587E-05	1.1275E-11	5.0670E+13	8.3480E+14
Cs-136	3.9988E-06	5.4560E-14	2.4160E+11	2.3208E+14
Cs-137	7.1689E-06	8.2418E-11	3.6229E+14	4.1016E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) =	7.0000	Atmosphere	Sump	
Noble gases (atoms)	7.6585E+17	0.0000E+00		
Elemental I (atoms)	1.3310E+14	0.0000E+00		
Organic I (atoms)	4.1165E+12	0.0000E+00		
Aerosols (kg)	9.3749E-11	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)			2.5514E-12
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)			2.9823E-12
Total I (Ci)				1.1427E-02

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 7.0000 Leakge Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) =	7.0000	Pathway	
		Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23	
Elemental I (atoms)	0.0000E+00	1.3605E+20	
Organic I (atoms)	0.0000E+00	4.2077E+18	
Aerosols (kg)	0.0000E+00	8.7282E-05	

Environment Integral Nuclide Release:

Time (h) =	7.0000	Ci	kg	Atoms	Bq
Kr-85		4.7853E+03	1.2197E-02	8.6414E+22	1.7706E+14
Kr-85m		7.1252E+04	8.6581E-02	6.1342E+23	2.6363E+15
Kr-87		1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88		1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86		1.2587E-01	1.5470E-09	1.0833E+16	4.6574E+09
I-131		2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132		3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133		5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134		4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135		5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133		5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135		1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134		1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11
Cs-136		3.7761E+00	5.1523E-08	2.2814E+17	1.3972E+11
Cs-137		6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

Environment Transport Group Inventory:

Time (h) =	7.0000	Total Release	Release Rate/s	
Noble gases (atoms)		7.1382E+23	2.8326E+19	
Elemental I (atoms)		1.3570E+20	5.3850E+15	
Organic I (atoms)		4.1970E+18	1.6655E+14	
Aerosols (kg)		8.7291E-05	3.4639E-09	
Dose Effective (Ci)	I-131 (Thyroid)			4.0452E+03
Dose Effective (Ci)	I-131 (ICRP2 Thyroid)			5.0783E+03

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2.1639E+04

Total I (Ci)

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 7.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

Normal Environment to TSC Transport Group Inventory:

Time (h) = 7.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 7.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	4.0388E+18	0.0000E+00
Elemental I (atoms)	7.5377E+14	0.0000E+00
Organic I (atoms)	2.3313E+13	0.0000E+00
Aerosols (kg)	4.9400E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 7.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 7.0000	Ci	kg	Atoms	Decay
Kr-85	3.1222E-04	7.9581E-10	5.6382E+15	1.7697E+16
Kr-85m	4.6487E-03	5.6488E-09	4.0021E+16	2.6351E+17
Kr-87	1.9464E-04	6.8716E-15	4.7565E+10	3.9070E+17
Kr-88	2.2516E-03	1.7956E-13	1.2288E+12	6.2566E+17
Rb-86	8.1322E-09	9.9944E-17	6.9986E+08	4.6556E+11
I-131	1.8599E-04	1.5002E-12	6.8967E+12	1.0790E+16
I-132	3.3226E-05	3.2189E-15	1.4685E+10	1.3435E+16
I-133	3.0189E-04	2.6650E-13	1.2067E+12	2.1241E+16
I-134	1.6485E-06	6.1796E-17	2.7772E+08	1.6792E+16
I-135	1.7148E-04	4.8830E-14	2.1782E+11	1.9211E+16
Xe-133	3.5247E-02	1.8830E-10	8.5262E+14	2.0696E+18
Xe-135	7.8459E-03	3.0723E-12	1.3705E+13	7.2217E+17
Cs-134	8.8622E-07	6.8496E-13	3.0783E+12	5.0242E+13
Cs-136	2.4293E-07	3.3147E-15	1.4677E+10	1.3967E+13
Cs-137	4.3552E-07	5.0071E-12	2.2010E+13	2.4685E+13

MVP Holdup Transport Group Inventory:

Time (h) = 7.0000	Atmosphere	Sump
Noble gases (atoms)	4.6527E+16	0.0000E+00
Elemental I (atoms)	8.0861E+12	0.0000E+00
Organic I (atoms)	2.5008E+11	0.0000E+00
Aerosols (kg)	5.6954E-12	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		2.7064E-12

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Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid) 3.1635E-12
 Total I (Ci) 6.9424E-04

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 7.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 7.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

Detailed model information at time (H) = 7.5000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 7.5000	Whole Body	Thyroid	TEDE
Delta dose (rem)	6.4219E-08	3.5612E-06	1.7564E-07
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 7.5000	Whole Body	Thyroid	TEDE
Delta dose (rem)	6.3685E-08	3.5316E-06	1.7418E-07
Accumulated dose (rem)	2.2897E+00	3.2880E+01	3.3335E+00

TSC Doses:

Time (h) = 7.5000	Whole Body	Thyroid	TEDE
Delta dose (rem)	2.4966E-05	3.7842E-02	1.2089E-03
Accumulated dose (rem)	3.7793E-02	1.9925E+01	6.6716E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 7.5000	Ci	kg	Atoms	Decay
Kr-85	1.9253E-03	4.9074E-09	3.4768E+16	2.9405E+17
Kr-85m	2.8666E-02	3.4833E-08	2.4679E+17	4.3783E+18
Kr-87	9.1394E-04	3.2266E-14	2.2334E+11	6.5071E+18
Kr-88	1.2289E-02	9.8007E-13	6.7070E+12	1.0407E+19
Rb-86	5.0109E-08	6.1583E-16	4.3123E+09	7.7357E+12
I-131	1.1449E-03	9.2347E-12	4.2452E+13	1.7929E+17
I-132	1.7623E-04	1.7073E-14	7.7890E+10	2.2353E+17
I-133	1.8308E-03	1.6162E-12	7.3180E+12	3.5298E+17
I-134	6.8461E-06	2.5663E-16	1.1533E+09	2.7996E+17
I-135	1.0034E-03	2.8573E-13	1.2746E+12	3.1935E+17
Xe-133	2.1676E-01	1.1580E-09	5.2433E+15	3.4390E+19
Xe-135	4.6605E-02	1.8250E-11	8.1409E+13	1.2003E+19
Cs-134	5.4648E-06	4.2237E-12	1.8982E+13	8.3480E+14
Cs-136	1.4964E-06	2.0417E-14	9.0409E+10	2.3208E+14
Cs-137	2.6857E-06	3.0876E-11	1.3572E+14	4.1016E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 7.5000	Atmosphere	Sump
Noble gases (atoms)	2.8689E+17	0.0000E+00

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Elemental I (atoms)	4.9590E+13	0.0000E+00	
Organic I (atoms)	1.5337E+12	0.0000E+00	
Aerosols (kg)	3.5121E-11	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			9.5010E-13
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			1.1071E-12
Total I (Ci)			4.1622E-03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 7.5000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 7.5000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 7.5000	Ci	kg	Atoms	Bq
Kr-85	4.7853E+03	1.2197E-02	8.6414E+22	1.7706E+14
Kr-85m	7.1252E+04	8.6581E-02	6.1342E+23	2.6363E+15
Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88	1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6574E+09
I-131	2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132	3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133	5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133	5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134	1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11
Cs-136	3.7761E+00	5.1523E-08	2.2814E+17	1.3972E+11
Cs-137	6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

Environment Transport Group Inventory:

	Total	Release	
Time (h) = 7.5000	Release	Rate/s	
Noble gases (atoms)	7.1382E+23	2.6438E+19	
Elemental I (atoms)	1.3570E+20	5.0260E+15	
Organic I (atoms)	4.1970E+18	1.5544E+14	
Aerosols (kg)	8.7291E-05	3.2330E-09	
Dose Effective (Ci) I-131 (Thyroid)			4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			5.0784E+03
Total I (Ci)			2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 7.5000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

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Normal Environment to TSC Transport Group Inventory:

Time (h) = 7.5000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 7.5000	Pathway	
	Filtered	Transported
Noble gases (atoms)	4.0471E+18	0.0000E+00
Elemental I (atoms)	7.5521E+14	0.0000E+00
Organic I (atoms)	2.3357E+13	0.0000E+00
Aerosols (kg)	4.9501E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 7.5000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 7.5000	Ci	kg	Atoms	Decay
Kr-85	1.1697E-04	2.9813E-10	2.1122E+15	1.7697E+16
Kr-85m	1.7415E-03	2.1162E-09	1.4993E+16	2.6351E+17
Kr-87	5.5524E-05	1.9602E-15	1.3569E+10	3.9070E+17
Kr-88	7.4661E-04	5.9542E-14	4.0746E+11	6.2566E+17
Rb-86	3.0442E-09	3.7413E-17	2.6198E+08	4.6556E+11
I-131	6.9553E-05	5.6103E-13	2.5791E+12	1.0790E+16
I-132	1.0706E-05	1.0372E-15	4.7320E+09	1.3435E+16
I-133	1.1123E-04	9.8187E-14	4.4458E+11	2.1241E+16
I-134	4.1591E-07	1.5591E-17	7.0067E+07	1.6792E+16
I-135	6.0961E-05	1.7359E-14	7.7434E+10	1.9211E+16
Xe-133	1.3168E-02	7.0351E-11	3.1854E+14	2.0697E+18
Xe-135	2.8313E-03	1.1087E-12	4.9458E+12	7.2217E+17
Cs-134	3.3200E-07	2.5660E-13	1.1532E+12	5.0242E+13
Cs-136	9.0910E-08	1.2404E-15	5.4925E+09	1.3967E+13
Cs-137	1.6316E-07	1.8758E-12	8.2455E+12	2.4685E+13

MVP Holdup Transport Group Inventory:

Time (h) = 7.5000	Atmosphere	Sump	
Noble gases (atoms)	1.7429E+16	0.0000E+00	
Elemental I (atoms)	3.0127E+12	0.0000E+00	
Organic I (atoms)	9.3177E+10	0.0000E+00	
Aerosols (kg)	2.1337E-12	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.0078E-12
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		1.1743E-12
Total I (Ci)			2.5286E-04

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 7.5000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18

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Aerosols (kg) 0.0000E+00 8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 7.5000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

Detailed model information at time (H) = 8.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 8.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	2.2304E-08	1.3262E-06	6.3777E-08
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 8.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	2.2119E-08	1.3152E-06	6.3247E-08
Accumulated dose (rem)	2.2897E+00	3.2880E+01	3.3335E+00

TSC Doses:

Time (h) = 8.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.5590E-05	2.5334E-02	8.0782E-04
Accumulated dose (rem)	3.7809E-02	1.9951E+01	6.6797E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 8.0000	Ci	kg	Atoms	Decay
Kr-85	7.2128E-04	1.8384E-09	1.3025E+16	2.9405E+17
Kr-85m	1.0739E-02	1.3050E-08	9.2454E+16	4.3783E+18
Kr-87	2.6071E-04	9.2041E-15	6.3711E+10	6.5071E+18
Kr-88	4.0751E-03	3.2498E-13	2.2240E+12	1.0407E+19
Rb-86	1.8758E-08	2.3053E-16	1.6143E+09	7.7357E+12
I-131	4.2813E-04	3.4534E-12	1.5875E+13	1.7929E+17
I-132	5.6786E-05	5.5013E-15	2.5098E+10	2.2353E+17
I-133	6.7455E-04	5.9547E-13	2.6962E+12	3.5298E+17
I-134	1.7272E-06	6.4747E-17	2.9098E+08	2.7996E+17
I-135	3.5671E-04	1.0157E-13	4.5311E+11	3.1935E+17
Xe-133	8.0982E-02	4.3264E-10	1.9590E+15	3.4390E+19
Xe-135	1.6818E-02	6.5857E-12	2.9378E+13	1.2003E+19
Cs-134	2.0472E-06	1.5823E-12	7.1111E+12	8.3480E+14
Cs-136	5.5998E-07	7.6405E-15	3.3833E+10	2.3208E+14
Cs-137	1.0061E-06	1.1567E-11	5.0846E+13	4.1016E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 8.0000	Atmosphere	Sump
Noble gases (atoms)	1.0747E+17	0.0000E+00
Elemental I (atoms)	1.8479E+13	0.0000E+00
Organic I (atoms)	5.7150E+11	0.0000E+00
Aerosols (kg)	1.3157E-11	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		3.5384E-13
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		4.1106E-13
Total I (Ci)		1.5179E-03

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 8.0000 Leakage Transport

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Noble gases (atoms) 1.5145E+00
 Elemental I (atoms) 2.8869E-04
 Organic I (atoms) 8.9284E-06
 Aerosols (kg) 1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 8.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 8.0000	Ci	kg	Atoms	Bq
Kr-85	4.7853E+03	1.2197E-02	8.6414E+22	1.7706E+14
Kr-85m	7.1252E+04	8.6581E-02	6.1342E+23	2.6363E+15
Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88	1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6574E+09
I-131	2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132	3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133	5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133	5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134	1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11
Cs-136	3.7761E+00	5.1523E-08	2.2814E+17	1.3972E+11
Cs-137	6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

Environment Transport Group Inventory:

Time (h) = 8.0000	Total Release	Release Rate/s
Noble gases (atoms)	7.1382E+23	2.4785E+19
Elemental I (atoms)	1.3570E+20	4.7119E+15
Organic I (atoms)	4.1970E+18	1.4573E+14
Aerosols (kg)	8.7291E-05	3.0310E-09
Dose Effective (Ci) I-131 (Thyroid)		4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		5.0784E+03
Total I (Ci)		2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 8.0000 Leakage Transport

Noble gases (atoms) 1.5145E+00
 Elemental I (atoms) 2.8869E-04
 Organic I (atoms) 8.9284E-06
 Aerosols (kg) 1.8521E-28

Normal Environment to TSC Transport Group Inventory:

Time (h) = 8.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

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Time (h) = 8.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	4.0527E+18	0.0000E+00
Elemental I (atoms)	7.5617E+14	0.0000E+00
Organic I (atoms)	2.3387E+13	0.0000E+00
Aerosols (kg)	4.9569E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 8.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 8.0000	Ci	kg	Atoms	Decay
Kr-85	4.3819E-05	1.1169E-10	7.9130E+14	1.7697E+16
Kr-85m	6.5243E-04	7.9279E-10	5.6168E+15	2.6351E+17
Kr-87	1.5839E-05	5.5917E-16	3.8706E+09	3.9070E+17
Kr-88	2.4757E-04	1.9744E-14	1.3511E+11	6.2566E+17
Rb-86	1.1396E-09	1.4005E-17	9.8071E+07	4.6556E+11
I-131	2.6010E-05	2.0980E-13	9.6446E+11	1.0790E+16
I-132	3.4498E-06	3.3422E-16	1.5248E+09	1.3435E+16
I-133	4.0981E-05	3.6176E-14	1.6380E+11	2.1241E+16
I-134	1.0493E-07	3.9335E-18	1.7678E+07	1.6792E+16
I-135	2.1671E-05	6.1708E-15	2.7527E+10	1.9211E+16
Xe-133	4.9198E-03	2.6284E-11	1.1901E+14	2.0697E+18
Xe-135	1.0217E-03	4.0010E-13	1.7848E+12	7.2218E+17
Cs-134	1.2437E-07	9.6129E-14	4.3201E+11	5.0242E+13
Cs-136	3.4020E-08	4.6418E-16	2.0554E+09	1.3967E+13
Cs-137	6.1124E-08	7.0273E-13	3.0890E+12	2.4685E+13

MVP Holdup Transport Group Inventory:

Time (h) = 8.0000	Atmosphere	Sump	
Noble gases (atoms)	6.5290E+15	0.0000E+00	
Elemental I (atoms)	1.1226E+12	0.0000E+00	
Organic I (atoms)	3.4720E+10	0.0000E+00	
Aerosols (kg)	7.9933E-13	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			3.7533E-13
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			4.3603E-13
Total I (Ci)			9.2216E-05

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 8.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 8.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

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Detailed model information at time (h) = 10.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 10.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	8.5150E-09	2.8146E-07	1.7311E-08
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 10.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	8.5150E-09	2.8146E-07	1.7311E-08
Accumulated dose (rem)	2.2897E+00	3.2880E+01	3.3335E+00

TSC Doses:

Time (h) = 10.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	2.2226E-05	4.1017E-02	1.3038E-03
Accumulated dose (rem)	3.7831E-02	1.9992E+01	6.6927E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 10.0000	Ci	kg	Atoms	Decay
Kr-85	1.4207E-05	3.6212E-11	2.5655E+14	2.9405E+17
Kr-85m	2.1153E-04	2.5703E-10	1.8210E+15	4.3783E+18
Kr-87	1.7263E-06	6.0946E-17	4.2187E+08	6.5071E+18
Kr-88	4.9266E-05	3.9290E-15	2.6887E+10	1.0407E+19
Rb-86	3.6833E-10	4.5268E-18	3.1699E+07	7.7357E+12
I-131	8.3727E-06	6.7535E-14	3.1046E+11	1.7929E+17
I-132	6.1218E-07	5.9308E-17	2.7057E+08	2.2353E+17
I-133	1.2430E-05	1.0973E-14	4.9684E+10	3.5298E+17
I-134	6.9984E-09	2.6234E-19	1.1790E+06	2.7996E+17
I-135	5.6970E-06	1.6222E-15	7.2364E+09	3.1935E+17
Xe-133	1.5778E-03	8.4292E-12	3.8167E+13	3.4390E+19
Xe-135	2.8518E-04	1.1167E-13	4.9815E+11	1.2003E+19
Cs-134	4.0322E-08	3.1165E-14	1.4006E+11	8.3480E+14
Cs-136	1.0982E-08	1.4984E-16	6.6348E+08	2.3208E+14
Cs-137	1.9818E-08	2.2784E-13	1.0015E+12	4.1016E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 10.0000	Atmosphere	Sump
Noble gases (atoms)	2.1163E+15	0.0000E+00
Elemental I (atoms)	3.5663E+11	0.0000E+00
Organic I (atoms)	1.1030E+10	0.0000E+00
Aerosols (kg)	2.5916E-13	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		6.8127E-15
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		7.8279E-15
Total I (Ci)		2.7119E-05

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 10.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 10.0000	Pathway	Filtered	Transported
Noble gases (atoms)		0.0000E+00	7.1376E+23

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Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 10.0000	Ci	kg	Atoms	Bq
Kr-85	4.7853E+03	1.2197E-02	8.6414E+22	1.7706E+14
Kr-85m	7.1252E+04	8.6581E-02	6.1342E+23	2.6363E+15
Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88	1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6574E+09
I-131	2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132	3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133	5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133	5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134	1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11
Cs-136	3.7761E+00	5.1523E-08	2.2814E+17	1.3972E+11
Cs-137	6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

Environment Transport Group Inventory:

Time (h) = 10.0000	Total Release	Release Rate/s	
Noble gases (atoms)	7.1382E+23	1.9828E+19	
Elemental I (atoms)	1.3570E+20	3.7695E+15	
Organic I (atoms)	4.1970E+18	1.1658E+14	
Aerosols (kg)	8.7291E-05	2.4248E-09	
Dose Effective (Ci) I-131 (Thyroid)			4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			5.0784E+03
Total I (Ci)			2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 10.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

Normal Environment to TSC Transport Group Inventory:

Time (h) = 10.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 10.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	4.0618E+18	0.0000E+00
Elemental I (atoms)	7.5773E+14	0.0000E+00
Organic I (atoms)	2.3435E+13	0.0000E+00
Aerosols (kg)	4.9681E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

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Time (h) = 10.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 10.0000	Ci	kg	Atoms	Decay
Kr-85	8.6311E-07	2.1999E-12	1.5586E+13	1.7697E+16
Kr-85m	1.2851E-05	1.5615E-11	1.1063E+14	2.6351E+17
Kr-87	1.0488E-07	3.7026E-18	2.5629E+07	3.9070E+17
Kr-88	2.9930E-06	2.3869E-16	1.6335E+09	6.2566E+17
Rb-86	2.2377E-11	2.7501E-19	1.9258E+06	4.6556E+11
I-131	5.0866E-07	4.1029E-15	1.8861E+10	1.0790E+16
I-132	3.7191E-08	3.6031E-18	1.6438E+07	1.3435E+16
I-133	7.5516E-07	6.6663E-16	3.0184E+09	2.1241E+16
I-134	4.2517E-10	1.5938E-20	7.1626E+04	1.6792E+16
I-135	3.4610E-07	9.8553E-17	4.3963E+08	1.9211E+16
Xe-133	9.5854E-05	5.1209E-13	2.3187E+12	2.0697E+18
Xe-135	1.7325E-05	6.7843E-15	3.0263E+10	7.2218E+17
Cs-134	2.4496E-09	1.8933E-15	8.5089E+09	5.0242E+13
Cs-136	6.6716E-10	9.1028E-18	4.0308E+07	1.3967E+13
Cs-137	1.2040E-09	1.3842E-14	6.0844E+10	2.4685E+13

MVP Holdup Transport Group Inventory:

Time (h) = 10.0000	Atmosphere	Sump
Noble gases (atoms)	1.2857E+14	0.0000E+00
Elemental I (atoms)	2.1666E+10	0.0000E+00
Organic I (atoms)	6.7008E+08	0.0000E+00
Aerosols (kg)	1.5744E-14	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		7.2266E-15
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		8.3035E-15
Total I (Ci)		1.6475E-06

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 10.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 10.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

Detailed model information at time (H) = 12.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 12.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	1.3031E-10	5.4207E-09	2.9946E-10
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

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Time (h) = 12.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.3031E-10	5.4207E-09	2.9946E-10
Accumulated dose (rem)	2.2897E+00	3.2880E+01	3.3335E+00

TSC Doses:

Time (h) = 12.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.5746E-06	8.2514E-03	2.6101E-04
Accumulated dose (rem)	3.7835E-02	2.0000E+01	6.6953E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 12.0000	Ci	kg	Atoms	Decay
Kr-85	2.7984E-07	7.1326E-13	5.0534E+12	2.9405E+17
Kr-85m	4.1664E-06	5.0627E-12	3.5869E+13	4.3783E+18
Kr-87	1.1431E-08	4.0356E-19	2.7935E+06	6.5071E+18
Kr-88	5.9561E-07	4.7500E-17	3.2506E+08	1.0407E+19
Rb-86	7.2327E-12	8.8890E-20	6.2245E+05	7.7357E+12
I-131	1.6374E-07	1.3207E-15	6.0715E+09	1.7929E+17
I-132	6.5997E-09	6.3937E-19	2.9169E+06	2.2353E+17
I-133	2.2906E-07	2.0220E-16	9.1555E+08	3.5298E+17
I-135	9.0984E-08	2.5908E-17	1.1557E+08	3.1935E+17
Xe-133	3.0740E-05	1.6423E-13	7.4361E+11	3.4390E+19
Xe-135	4.8349E-06	1.8933E-15	8.4455E+09	1.2003E+19
Cs-134	7.9417E-10	6.1382E-16	2.7586E+09	8.3480E+14
Cs-136	2.1536E-10	2.9384E-18	1.3011E+07	2.3208E+14
Cs-137	3.9036E-10	4.4878E-15	1.9727E+10	4.1016E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 12.0000	Atmosphere	Sump	
Noble gases (atoms)	4.1674E+13	0.0000E+00	
Elemental I (atoms)	6.8924E+09	0.0000E+00	
Organic I (atoms)	2.1317E+08	0.0000E+00	
Aerosols (kg)	5.1046E-15	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.3133E-16
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		1.4946E-16
Total I (Ci)			4.9041E-07

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 12.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 12.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 12.0000	Ci	kg	Atoms	Bq
Kr-85	4.7853E+03	1.2197E-02	8.6414E+22	1.7706E+14
Kr-85m	7.1252E+04	8.6581E-02	6.1342E+23	2.6363E+15
Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88	1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15

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Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6574E+09
I-131	2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132	3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133	5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133	5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134	1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11
Cs-136	3.7761E+00	5.1523E-08	2.2814E+17	1.3972E+11
Cs-137	6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

Environment Transport Group Inventory:

	Total Release	Release Rate/s	
Time (h) = 12.0000			
Noble gases (atoms)	7.1382E+23	1.6524E+19	
Elemental I (atoms)	1.3570E+20	3.1413E+15	
Organic I (atoms)	4.1970E+18	9.7153E+13	
Aerosols (kg)	8.7291E-05	2.0206E-09	
Dose Effective (Ci) I-131 (Thyroid)			4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			5.0784E+03
Total I (Ci)			2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 12.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

Normal Environment to TSC Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 12.0000		
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 12.0000		
Noble gases (atoms)	4.0637E+18	0.0000E+00
Elemental I (atoms)	7.5804E+14	0.0000E+00
Organic I (atoms)	2.3445E+13	0.0000E+00
Aerosols (kg)	4.9704E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 12.0000		
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 12.0000	Ci	kg	Atoms	Decay
Kr-85	1.7001E-08	4.3332E-14	3.0700E+11	1.7697E+16

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Kr-85m	2.5312E-07	3.0757E-13	2.1791E+12	2.6351E+17
Kr-87	6.9447E-10	2.4517E-20	1.6971E+05	3.9070E+17
Kr-88	3.6185E-08	2.8857E-18	1.9748E+07	6.2566E+17
Rb-86	4.3940E-13	5.4003E-21	3.7815E+04	4.6556E+11
I-131	9.9475E-09	8.0238E-17	3.6886E+08	1.0790E+16
I-132	4.0094E-10	3.8843E-20	1.7721E+05	1.3435E+16
I-133	1.3916E-08	1.2284E-17	5.5622E+07	2.1241E+16
I-135	5.5275E-09	1.5740E-18	7.0212E+06	1.9211E+16
Xe-133	1.8675E-06	9.9772E-15	4.5176E+10	2.0697E+18
Xe-135	2.9373E-07	1.1502E-16	5.1308E+08	7.2218E+17
Cs-134	4.8248E-11	3.7291E-17	1.6759E+08	5.0242E+13
Cs-136	1.3083E-11	1.7851E-19	7.9046E+05	1.3967E+13
Cs-137	2.3715E-11	2.7264E-16	1.1985E+09	2.4685E+13

MVP Holdup Transport Group Inventory:

Time (h) = 12.0000	Atmosphere	Sump	
Noble gases (atoms)	2.5318E+12	0.0000E+00	
Elemental I (atoms)	4.1873E+08	0.0000E+00	
Organic I (atoms)	1.2950E+07	0.0000E+00	
Aerosols (kg)	3.1012E-16	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.3931E-16
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			1.5854E-16
Total I (Ci)			2.9793E-08

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 12.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 12.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

Detailed model information at time (H) = 14.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 14.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	2.0976E-12	1.0458E-10	5.3570E-12
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 14.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	2.0976E-12	1.0458E-10	5.3570E-12
Accumulated dose (rem)	2.2897E+00	3.2880E+01	3.3335E+00

TSC Doses:

Time (h) = 14.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	6.1911E-07	1.6936E-03	5.3394E-05
Accumulated dose (rem)	3.7835E-02	2.0002E+01	6.6959E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

CRDA GAP MVP TSC.o0

Time (h) = 14.0000	Ci	kg	Atoms	Decay
Kr-85	5.5120E-09	1.4049E-14	9.9536E+10	2.9405E+17
Kr-85m	8.2064E-08	9.9719E-14	7.0649E+11	4.3783E+18
Kr-87	7.5693E-11	2.6723E-21	1.8497E+04	6.5071E+18
Kr-88	7.2007E-09	5.7426E-19	3.9298E+06	1.0407E+19
Rb-86	1.4203E-13	1.7455E-21	1.2223E+04	7.7357E+12
I-131	3.2021E-09	2.5829E-17	1.1874E+08	1.7929E+17
I-132	7.1148E-11	6.8928E-21	3.1446E+04	2.2353E+17
I-133	4.2209E-09	3.7260E-18	1.6871E+07	3.5298E+17
I-135	1.4531E-09	4.1377E-19	1.8457E+06	3.1935E+17
Xe-133	5.9892E-07	3.1997E-15	1.4488E+10	3.4390E+19
Xe-135	8.1962E-08	3.2095E-17	1.4317E+08	1.2003E+19
Cs-134	1.5642E-11	1.2090E-17	5.4332E+07	8.3480E+14
Cs-136	4.2233E-12	5.7623E-20	2.5516E+05	2.3208E+14
Cs-137	7.6890E-12	8.8397E-17	3.8857E+08	4.1016E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 14.0000	Atmosphere	Sump
Noble gases (atoms)	8.2066E+11	0.0000E+00
Elemental I (atoms)	1.3336E+08	0.0000E+00
Organic I (atoms)	4.1245E+06	0.0000E+00
Aerosols (kg)	1.0055E-16	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		2.5344E-18
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		2.8597E-18
Total I (Ci)		8.9473E-09

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 14.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 14.0000	Pathway	Filtered	Transported
Noble gases (atoms)		0.0000E+00	7.1376E+23
Elemental I (atoms)		0.0000E+00	1.3605E+20
Organic I (atoms)		0.0000E+00	4.2077E+18
Aerosols (kg)		0.0000E+00	8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 14.0000	Ci	kg	Atoms	Bq
Kr-85	4.7853E+03	1.2197E-02	8.6414E+22	1.7706E+14
Kr-85m	7.1252E+04	8.6581E-02	6.1342E+23	2.6363E+15
Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88	1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6574E+09
I-131	2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132	3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133	5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133	5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134	1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11
Cs-136	3.7761E+00	5.1523E-08	2.2814E+17	1.3972E+11
Cs-137	6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

Environment Transport Group Inventory:

	Total	Release	
Time (h) = 14.0000	Release	Rate/s	
Noble gases (atoms)	7.1382E+23	1.4163E+19	
Elemental I (atoms)	1.3570E+20	2.6925E+15	
Organic I (atoms)	4.1970E+18	8.3274E+13	
Aerosols (kg)	8.7291E-05	1.7320E-09	
Dose Effective (Ci) I-131 (Thyroid)			4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			5.0784E+03
Total I (Ci)			2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 14.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

Normal Environment to TSC Transport Group Inventory:

	Pathway	
Time (h) = 14.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway	
Time (h) = 14.0000	Filtered	Transported
Noble gases (atoms)	4.0641E+18	0.0000E+00
Elemental I (atoms)	7.5811E+14	0.0000E+00
Organic I (atoms)	2.3447E+13	0.0000E+00
Aerosols (kg)	4.9709E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 14.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 14.0000	Ci	kg	Atoms	Decay
Kr-85	3.3486E-10	8.5352E-16	6.0470E+09	1.7697E+16
Kr-85m	4.9855E-09	6.0581E-15	4.2921E+10	2.6351E+17
Kr-88	4.3746E-10	3.4887E-20	2.3875E+05	6.2566E+17
I-131	1.9454E-10	1.5692E-18	7.2135E+06	1.0790E+16
I-133	2.5643E-10	2.2636E-19	1.0250E+06	2.1241E+16
I-135	8.8278E-11	2.5137E-20	1.1213E+05	1.9211E+16
Xe-133	3.6386E-08	1.9439E-16	8.8017E+08	2.0697E+18
Xe-135	4.9793E-09	1.9498E-18	8.6979E+06	7.2218E+17
Cs-134	9.5028E-13	7.3447E-19	3.3008E+06	5.0242E+13
Cs-136	2.5657E-13	3.5007E-21	1.5501E+04	1.3967E+13
Cs-137	4.6712E-13	5.3703E-18	2.3606E+07	2.4685E+13

MVP Holdup Transport Group Inventory:

CRDA GAP MVP TSC.o0

Time (h) = 14.0000	Atmosphere	Sump	
Noble gases (atoms)	4.9857E+10	0.0000E+00	
Elemental I (atoms)	8.1019E+06	0.0000E+00	
Organic I (atoms)	2.5057E+05	0.0000E+00	
Aerosols (kg)	6.1084E-18	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			2.6884E-18
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			3.0335E-18
Total I (Ci)			5.4357E-10

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 14.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 14.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

Detailed model information at time (H) = 16.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 16.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.5580E-14	2.0234E-12	9.8581E-14
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 16.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.5580E-14	2.0234E-12	9.8581E-14
Accumulated dose (rem)	2.2897E+00	3.2880E+01	3.3335E+00

TSC Doses:

Time (h) = 16.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.1371E-07	3.5349E-04	1.1119E-05
Accumulated dose (rem)	3.7835E-02	2.0002E+01	6.6960E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 16.0000	Ci	kg	Atoms	Decay
Kr-85	1.0857E-10	2.7673E-16	1.9606E+09	2.9405E+17
Kr-85m	1.6164E-09	1.9641E-15	1.3916E+10	4.3783E+18
Kr-88	8.7054E-11	6.9426E-21	4.7510E+04	1.0407E+19
I-131	6.2622E-11	5.0512E-19	2.3220E+06	1.7929E+17
I-133	7.7779E-11	6.8661E-20	3.1089E+05	3.5298E+17
I-135	2.3207E-11	6.6081E-21	2.9478E+04	3.1935E+17
Xe-133	1.1669E-08	6.2339E-17	2.8227E+08	3.4390E+19
Xe-135	1.3893E-09	5.4402E-19	2.4268E+06	1.2003E+19
Cs-134	3.0808E-13	2.3811E-19	1.0701E+06	8.3480E+14
Cs-137	1.5145E-13	1.7412E-18	7.6537E+06	4.1016E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 16.0000	Atmosphere	Sump
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Noble gases (atoms)	1.6161E+10	0.0000E+00	
Elemental I (atoms)	2.5829E+06	0.0000E+00	
Organic I (atoms)	7.9882E+04	0.0000E+00	
Aerosols (kg)	1.9805E-18	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			4.8955E-20
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			5.4815E-20
Total I (Ci)			1.6438E-10

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 16.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 16.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 16.0000	Ci	kg	Atoms	Bq
Kr-85	4.7853E+03	1.2197E-02	8.6414E+22	1.7706E+14
Kr-85m	7.1252E+04	8.6581E-02	6.1342E+23	2.6363E+15
Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88	1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6574E+09
I-131	2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132	3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133	5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133	5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134	1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11
Cs-136	3.7761E+00	5.1523E-08	2.2814E+17	1.3972E+11
Cs-137	6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

Environment Transport Group Inventory:

Time (h) = 16.0000	Total Release	
	Release	Rate/s
Noble gases (atoms)	7.1382E+23	1.2393E+19
Elemental I (atoms)	1.3570E+20	2.3560E+15
Organic I (atoms)	4.1970E+18	7.2864E+13
Aerosols (kg)	8.7291E-05	1.5155E-09
Dose Effective (Ci) I-131 (Thyroid)		4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		5.0784E+03
Total I (Ci)		2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 16.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

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Normal Environment to TSC Transport Group Inventory:

Time (h) = 16.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 16.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	4.0642E+18	0.0000E+00
Elemental I (atoms)	7.5812E+14	0.0000E+00
Organic I (atoms)	2.3447E+13	0.0000E+00
Aerosols (kg)	4.9710E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 16.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 16.0000	Ci	kg	Atoms	Decay
Kr-85	6.5958E-12	1.6812E-17	1.1911E+08	1.7697E+16
Kr-85m	9.8199E-11	1.1933E-16	8.4540E+08	2.6351E+17
I-131	3.8044E-12	3.0687E-20	1.4107E+05	1.0790E+16
I-133	4.7253E-12	4.1713E-21	1.8887E+04	2.1241E+16
Xe-133	7.0890E-10	3.7872E-18	1.7148E+07	2.0697E+18
Xe-135	8.4402E-11	3.3051E-20	1.4743E+05	7.2218E+17
Cs-134	1.8717E-14	1.4466E-20	6.5012E+04	5.0242E+13
Cs-137	9.2010E-15	1.0578E-19	4.6498E+05	2.4685E+13

MVP Holdup Transport Group Inventory:

Time (h) = 16.0000	Atmosphere	Sump
Noble gases (atoms)	9.8181E+08	0.0000E+00
Elemental I (atoms)	1.5691E+05	0.0000E+00
Organic I (atoms)	4.8530E+03	0.0000E+00
Aerosols (kg)	1.2032E-19	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		5.1929E-20
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		5.8145E-20
Total I (Ci)		9.9861E-12

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 16.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 16.0000	Pathway	
	Filtered	Transported

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Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

Detailed model information at time (H) = 18.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 18.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	6.1034E-16	3.9087E-14	1.8262E-15
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 18.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	6.1034E-16	3.9087E-14	1.8262E-15
Accumulated dose (rem)	2.2897E+00	3.2880E+01	3.3335E+00

TSC Doses:

Time (h) = 18.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	2.0426E-08	7.1322E-05	2.2388E-06
Accumulated dose (rem)	3.7835E-02	2.0002E+01	6.6960E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 18.0000	Ci	kg	Atoms	Decay
Kr-85	2.1385E-12	5.4507E-18	3.8617E+07	2.9405E+17
Kr-85m	3.1837E-11	3.8687E-17	2.7409E+08	4.3783E+18
I-131	1.2246E-12	9.8782E-21	4.5411E+04	1.7929E+17
Xe-133	2.2734E-10	1.2145E-18	5.4994E+06	3.4390E+19
Xe-135	2.3546E-11	9.2202E-21	4.1130E+04	1.2003E+19
Cs-134	6.0679E-15	4.6899E-21	2.1077E+04	8.3480E+14
Cs-137	2.9832E-15	3.4296E-20	1.5076E+05	4.1016E+14

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 18.0000	Atmosphere	Sump	
Noble gases (atoms)	3.1825E+08	0.0000E+00	
Elemental I (atoms)	5.0065E+04	0.0000E+00	
Organic I (atoms)	1.5484E+03	0.0000E+00	
Aerosols (kg)	3.9009E-20	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		9.4642E-22
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		1.0523E-21
Total I (Ci)			3.0368E-12

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 18.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 18.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 18.0000	Ci	kg	Atoms	Bq
Kr-85	4.7853E+03	1.2197E-02	8.6414E+22	1.7706E+14
Kr-85m	7.1252E+04	8.6581E-02	6.1342E+23	2.6363E+15
Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88	1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6574E+09
I-131	2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132	3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133	5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133	5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134	1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11
Cs-136	3.7761E+00	5.1523E-08	2.2814E+17	1.3972E+11
Cs-137	6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

Environment Transport Group Inventory:

Time (h) = 18.0000	Total Release	Release Rate/s	
Noble gases (atoms)	7.1382E+23	1.1016E+19	
Elemental I (atoms)	1.3570E+20	2.0942E+15	
Organic I (atoms)	4.1970E+18	6.4768E+13	
Aerosols (kg)	8.7291E-05	1.3471E-09	
Dose Effective (Ci) I-131 (Thyroid)			4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			5.0784E+03
Total I (Ci)			2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 18.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

Normal Environment to TSC Transport Group Inventory:

Time (h) = 18.0000	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 18.0000	Pathway Filtered	Transported
Noble gases (atoms)	4.0642E+18	0.0000E+00
Elemental I (atoms)	7.5812E+14	0.0000E+00
Organic I (atoms)	2.3447E+13	0.0000E+00
Aerosols (kg)	4.9710E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 18.0000	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20

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Organic I (atoms) 0.0000E+00 4.3565E+18
 Aerosols (kg) 0.0000E+00 9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 18.0000 Ci kg Atoms Decay
 Kr-85 1.2992E-13 3.3114E-19 2.3461E+06 1.7697E+16
 Kr-85m 1.9342E-12 2.3503E-18 1.6652E+07 2.6351E+17
 Xe-133 1.3811E-11 7.3786E-20 3.3410E+05 2.0697E+18

MVP Holdup Transport Group Inventory:

Time (h) = 18.0000 Atmosphere Sump
 Noble gases (atoms) 1.9334E+07 0.0000E+00
 Elemental I (atoms) 3.0416E+03 0.0000E+00
 Organic I (atoms) 9.4070E+01 0.0000E+00
 Aerosols (kg) 2.3699E-21 0.0000E+00
 Dose Effective (Ci/cc) I-131 (Thyroid) 1.0039E-21
 Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid) 1.1162E-21
 Total I (Ci) 1.8449E-13

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 18.0000 Pathway
 Filtered Transported
 Noble gases (atoms) 0.0000E+00 7.1376E+23
 Elemental I (atoms) 0.0000E+00 1.3605E+20
 Organic I (atoms) 0.0000E+00 4.2077E+18
 Aerosols (kg) 0.0000E+00 8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 18.0000 Pathway
 Filtered Transported
 Noble gases (atoms) 0.0000E+00 7.3917E+23
 Elemental I (atoms) 0.0000E+00 1.4086E+20
 Organic I (atoms) 0.0000E+00 4.3565E+18
 Aerosols (kg) 0.0000E+00 9.0389E-05

Detailed model information at time (H) = 20.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 20.0000 whole Body Thyroid TEDE
 Delta dose (rem) 1.0758E-17 7.5569E-16 3.4245E-17
 Accumulated dose (rem) 4.8333E+00 6.8704E+01 7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 20.0000 whole Body Thyroid TEDE
 Delta dose (rem) 1.0758E-17 7.5569E-16 3.4245E-17
 Accumulated dose (rem) 2.2897E+00 3.2880E+01 3.3335E+00

TSC Doses:

Time (h) = 20.0000 whole Body Thyroid TEDE
 Delta dose (rem) 3.7681E-09 1.4402E-05 4.5135E-07
 Accumulated dose (rem) 3.7835E-02 2.0002E+01 6.6960E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 20.0000 Ci kg Atoms Decay
 Kr-85 4.2122E-14 1.0736E-19 7.6065E+05 2.9405E+17
 Kr-85m 6.2709E-13 7.6200E-19 5.3987E+06 4.3783E+18

Xe-133 4.4293E-12 2.3663E-20 1.0714E+05 3.4390E+19

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 20.0000	Atmosphere	Sump	
Noble gases (atoms)	6.2672E+06	0.0000E+00	
Elemental I (atoms)	9.7115E+02	0.0000E+00	
Organic I (atoms)	3.0036E+01	0.0000E+00	
Aerosols (kg)	7.6836E-22	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.8311E-23
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.0229E-23
Total I (Ci)			5.6369E-14

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 20.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 20.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 20.0000	Ci	kg	Atoms	Bq
Kr-85	4.7853E+03	1.2197E-02	8.6414E+22	1.7706E+14
Kr-85m	7.1252E+04	8.6581E-02	6.1342E+23	2.6363E+15
Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88	1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6574E+09
I-131	2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132	3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133	5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133	5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134	1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11
Cs-136	3.7761E+00	5.1523E-08	2.2814E+17	1.3972E+11
Cs-137	6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

Environment Transport Group Inventory:

	Total	Release	
Time (h) = 20.0000	Release	Rate/s	
Noble gases (atoms)	7.1382E+23	9.9141E+18	
Elemental I (atoms)	1.3570E+20	1.8848E+15	
Organic I (atoms)	4.1970E+18	5.8292E+13	
Aerosols (kg)	8.7291E-05	1.2124E-09	
Dose Effective (Ci) I-131 (Thyroid)			4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			5.0784E+03
Total I (Ci)			2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 20.0000 Leakage Transport

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Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

Normal Environment to TSC Transport Group Inventory:

Time (h) = 20.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 20.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	4.0642E+18	0.0000E+00
Elemental I (atoms)	7.5812E+14	0.0000E+00
Organic I (atoms)	2.3447E+13	0.0000E+00
Aerosols (kg)	4.9710E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 20.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 20.0000	Ci	kg	Atoms	Decay
Kr-85	2.5590E-15	6.5225E-21	4.6211E+04	1.7697E+16
Kr-85m	3.8097E-14	4.6293E-20	3.2798E+05	2.6351E+17

MVP Holdup Transport Group Inventory:

Time (h) = 20.0000	Pathway	
	Atmosphere	Sump
Noble gases (atoms)	3.8075E+05	0.0000E+00
Elemental I (atoms)	5.9000E+01	0.0000E+00
Organic I (atoms)	1.8247E+00	0.0000E+00
Aerosols (kg)	4.6680E-23	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		1.9423E-23
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		2.1458E-23
Total I (Ci)		3.4245E-15

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 20.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 20.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20

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Organic I (atoms) 0.0000E+00 4.3565E+18
 Aerosols (kg) 0.0000E+00 9.0389E-05

Detailed model information at time (H) = 22.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 22.0000 Whole Body Thyroid TEDE
 Delta dose (rem) 1.9369E-19 1.4621E-17 6.4778E-19
 Accumulated dose (rem) 4.8333E+00 6.8704E+01 7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 22.0000 Whole Body Thyroid TEDE
 Delta dose (rem) 1.9369E-19 1.4621E-17 6.4778E-19
 Accumulated dose (rem) 2.2897E+00 3.2880E+01 3.3335E+00

TSC Doses:

Time (h) = 22.0000 Whole Body Thyroid TEDE
 Delta dose (rem) 7.0966E-10 2.9104E-06 9.1092E-08
 Accumulated dose (rem) 3.7835E-02 2.0002E+01 6.6960E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 22.0000 Ci kg Atoms Decay
 Kr-85 8.2968E-16 2.1147E-21 1.4982E+04 2.9405E+17
 Kr-85m 1.2352E-14 1.5009E-20 1.0634E+05 4.3783E+18

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 22.0000 Atmosphere Sump
 Noble gases (atoms) 1.2342E+05 0.0000E+00
 Elemental I (atoms) 1.8850E+01 0.0000E+00
 Organic I (atoms) 5.8299E-01 0.0000E+00
 Aerosols (kg) 1.5134E-23 0.0000E+00
 Dose Effective (Ci/cc) I-131 (Thyroid) 3.5450E-25
 Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid) 3.8933E-25
 Total I (Ci) 1.0505E-15

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 22.0000 Leakage Transport

Noble gases (atoms) 1.5145E+00
 Elemental I (atoms) 2.8869E-04
 Organic I (atoms) 8.9284E-06
 Aerosols (kg) 1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 22.0000 Pathway
 Filtered Transported
 Noble gases (atoms) 0.0000E+00 7.1376E+23
 Elemental I (atoms) 0.0000E+00 1.3605E+20
 Organic I (atoms) 0.0000E+00 4.2077E+18
 Aerosols (kg) 0.0000E+00 8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 22.0000 Ci kg Atoms Bq
 Kr-85 4.7853E+03 1.2197E-02 8.6414E+22 1.7706E+14
 Kr-85m 7.1252E+04 8.6581E-02 6.1342E+23 2.6363E+15
 Kr-87 1.0150E+05 3.5832E-06 2.4803E+19 3.7553E+15
 Kr-88 1.6616E+05 1.3251E-05 9.0684E+19 6.1480E+15

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Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6574E+09
I-131	2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132	3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133	5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133	5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134	1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11
Cs-136	3.7761E+00	5.1523E-08	2.2814E+17	1.3972E+11
Cs-137	6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

Environment Transport Group Inventory:

	Total Release	Release Rate/s	
Time (h) = 22.0000			
Noble gases (atoms)	7.1382E+23	9.0129E+18	
Elemental I (atoms)	1.3570E+20	1.7134E+15	
Organic I (atoms)	4.1970E+18	5.2992E+13	
Aerosols (kg)	8.7291E-05	1.1022E-09	
Dose Effective (Ci) I-131 (Thyroid)			4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			5.0784E+03
Total I (Ci)			2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 22.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

Normal Environment to TSC Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 22.0000		
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 22.0000		
Noble gases (atoms)	4.0642E+18	0.0000E+00
Elemental I (atoms)	7.5812E+14	0.0000E+00
Organic I (atoms)	2.3447E+13	0.0000E+00
Aerosols (kg)	4.9710E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 22.0000		
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 22.0000	Ci	kg	Atoms	Decay
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MVP Holdup Transport Group Inventory:

Time (h) = 22.0000	Atmosphere	Sump	
Noble gases (atoms)	7.4979E+03	0.0000E+00	
Elemental I (atoms)	1.1452E+00	0.0000E+00	
Organic I (atoms)	3.5418E-02	0.0000E+00	
Aerosols (kg)	9.1945E-25	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		3.7604E-25
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		4.1299E-25
Total I (Ci)			6.3823E-17

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 22.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 22.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

Detailed model information at time (H) = 24.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 24.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	3.5441E-21	2.8309E-19	1.2330E-20
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 24.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	3.5441E-21	2.8309E-19	1.2330E-20
Accumulated dose (rem)	2.2897E+00	3.2880E+01	3.3335E+00

TSC Doses:

Time (h) = 24.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	1.3578E-10	5.8854E-07	1.8401E-08
Accumulated dose (rem)	3.7835E-02	2.0002E+01	6.6960E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 24.0000	Ci	kg	Atoms	Decay
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DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 24.0000	Atmosphere	Sump	
Noble gases (atoms)	2.4305E+03	0.0000E+00	
Elemental I (atoms)	3.6609E-01	0.0000E+00	
Organic I (atoms)	1.1322E-02	0.0000E+00	
Aerosols (kg)	2.9810E-25	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		6.8677E-27
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		7.5013E-27
Total I (Ci)			1.9648E-17

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

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Time (h) = 24.0000 Leakage Transport

Noble gases (atoms) 1.5145E+00
 Elemental I (atoms) 2.8869E-04
 Organic I (atoms) 8.9284E-06
 Aerosols (kg) 1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 24.0000		
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 24.0000	Ci	kg	Atoms	Bq
Kr-85	4.7853E+03	1.2197E-02	8.6414E+22	1.7706E+14
Kr-85m	7.1252E+04	8.6581E-02	6.1342E+23	2.6363E+15
Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88	1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6574E+09
I-131	2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132	3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133	5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133	5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134	1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11
Cs-136	3.7761E+00	5.1523E-08	2.2814E+17	1.3972E+11
Cs-137	6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

Environment Transport Group Inventory:

Time (h) = 24.0000	Total Release	Release Rate/s	
Noble gases (atoms)	7.1382E+23	8.2618E+18	
Elemental I (atoms)	1.3570E+20	1.5706E+15	
Organic I (atoms)	4.1970E+18	4.8576E+13	
Aerosols (kg)	8.7291E-05	1.0103E-09	
Dose Effective (Ci) I-131 (Thyroid)			4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			5.0784E+03
Total I (Ci)			2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 24.0000 Leakage Transport

Noble gases (atoms) 1.5145E+00
 Elemental I (atoms) 2.8869E-04
 Organic I (atoms) 8.9284E-06
 Aerosols (kg) 1.8521E-28

Normal Environment to TSC Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 24.0000		
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

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Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 24.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	4.0642E+18	0.0000E+00
Elemental I (atoms)	7.5812E+14	0.0000E+00
Organic I (atoms)	2.3447E+13	0.0000E+00
Aerosols (kg)	4.9710E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 24.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 24.0000	Ci	kg	Atoms	Decay
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MVP Holdup Transport Group Inventory:

Time (h) = 24.0000	Atmosphere	Sump
Noble gases (atoms)	1.4766E+02	0.0000E+00
Elemental I (atoms)	2.2241E-02	0.0000E+00
Organic I (atoms)	6.8785E-04	0.0000E+00
Aerosols (kg)	1.8110E-26	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		7.2850E-27
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		7.9571E-27
Total I (Ci)		1.1937E-18

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 24.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 24.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

Detailed model information at time (H) = 32.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 32.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	9.5452E-46	1.1134E-43	4.4053E-45
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 32.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	9.8435E-46	1.1482E-43	4.5430E-45

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Accumulated dose (rem) 2.2897E+00 3.2880E+01 3.3335E+00

TSC Doses:

Time (h) = 32.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.9587E-11	8.9444E-08	2.7935E-09
Accumulated dose (rem)	3.7835E-02	2.0002E+01	6.6960E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 32.0000	Ci	kg	Atoms	Decay
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DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 32.0000	Atmosphere	Sump	
Noble gases (atoms)	2.4283E+03	0.0000E+00	
Elemental I (atoms)	3.4756E-01	0.0000E+00	
Organic I (atoms)	1.0749E-02	0.0000E+00	
Aerosols (kg)	2.9808E-25	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			6.4609E-27
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			6.9285E-27
Total I (Ci)			1.6423E-17

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 32.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 32.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 32.0000	Ci	kg	Atoms	Bq
Kr-85	4.7853E+03	1.2197E-02	8.6414E+22	1.7706E+14
Kr-85m	7.1252E+04	8.6581E-02	6.1342E+23	2.6363E+15
Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88	1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6574E+09
I-131	2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132	3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133	5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133	5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134	1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11
Cs-136	3.7761E+00	5.1523E-08	2.2814E+17	1.3972E+11
Cs-137	6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

Environment Transport Group Inventory:

Time (h) = 32.0000	Total Release	Release Rate/s
Noble gases (atoms)	7.1382E+23	6.1963E+18

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Elemental I (atoms)	1.3570E+20	1.1780E+15	
Organic I (atoms)	4.1970E+18	3.6432E+13	
Aerosols (kg)	8.7291E-05	7.5774E-10	
Dose Effective (Ci) I-131 (Thyroid)			4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			5.0784E+03
Total I (Ci)			2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 32.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

Normal Environment to TSC Transport Group Inventory:

	Pathway	
Time (h) = 32.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway	
Time (h) = 32.0000	Filtered	Transported
Noble gases (atoms)	4.0642E+18	0.0000E+00
Elemental I (atoms)	7.5812E+14	0.0000E+00
Organic I (atoms)	2.3447E+13	0.0000E+00
Aerosols (kg)	4.9710E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 32.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 32.0000	Ci	kg	Atoms	Decay
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MVP Holdup Transport Group Inventory:

Time (h) = 32.0000	Atmosphere	Sump	
Noble gases (atoms)	1.4753E+02	0.0000E+00	
Elemental I (atoms)	2.1115E-02	0.0000E+00	
Organic I (atoms)	6.5304E-04	0.0000E+00	
Aerosols (kg)	1.8109E-26	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			6.8534E-27
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			7.3494E-27
Total I (Ci)			9.9774E-19

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 32.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18

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Aerosols (kg) 0.0000E+00 8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 32.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

Detailed model information at time (H) = 40.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 40.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	8.3075E-46	1.0508E-43	4.0822E-45
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 40.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	8.5671E-46	1.0836E-43	4.2098E-45
Accumulated dose (rem)	2.2897E+00	3.2880E+01	3.3335E+00

TSC Doses:

Time (h) = 40.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	2.9809E-14	1.5081E-10	4.6985E-12
Accumulated dose (rem)	3.7835E-02	2.0002E+01	6.6960E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 40.0000	Ci	kg	Atoms	Decay
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DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 40.0000	Atmosphere	Sump	
Noble gases (atoms)	2.4264E+03	0.0000E+00	
Elemental I (atoms)	3.3180E-01	0.0000E+00	
Organic I (atoms)	1.0262E-02	0.0000E+00	
Aerosols (kg)	2.9806E-25	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			6.1203E-27
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			6.4709E-27
Total I (Ci)			1.4192E-17

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 40.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 40.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

Environment Integral Nuclide Release:

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Time (h) = 40.0000	Ci	kg	Atoms	Bq
Kr-85	4.7853E+03	1.2197E-02	8.6414E+22	1.7706E+14
Kr-85m	7.1252E+04	8.6581E-02	6.1342E+23	2.6363E+15
Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88	1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6574E+09
I-131	2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132	3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133	5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133	5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134	1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11
Cs-136	3.7761E+00	5.1523E-08	2.2814E+17	1.3972E+11
Cs-137	6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

Environment Transport Group Inventory:

Time (h) = 40.0000	Total Release	Release Rate/s	
Noble gases (atoms)	7.1382E+23	4.9571E+18	
Elemental I (atoms)	1.3570E+20	9.4238E+14	
Organic I (atoms)	4.1970E+18	2.9146E+13	
Aerosols (kg)	8.7291E-05	6.0619E-10	
Dose Effective (Ci) I-131 (Thyroid)			4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			5.0784E+03
Total I (Ci)			2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 40.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

Normal Environment to TSC Transport Group Inventory:

Time (h) = 40.0000	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 40.0000	Pathway Filtered	Transported
Noble gases (atoms)	4.0642E+18	0.0000E+00
Elemental I (atoms)	7.5812E+14	0.0000E+00
Organic I (atoms)	2.3447E+13	0.0000E+00
Aerosols (kg)	4.9710E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 40.0000	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18

Aerosols (kg) 0.0000E+00 9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 40.0000 Ci kg Atoms Decay

MVP Holdup Transport Group Inventory:

Time (h) = 40.0000	Atmosphere	Sump	
Noble gases (atoms)	1.4741E+02	0.0000E+00	
Elemental I (atoms)	2.0157E-02	0.0000E+00	
Organic I (atoms)	6.2343E-04	0.0000E+00	
Aerosols (kg)	1.8108E-26	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		6.4921E-27
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		6.8640E-27
Total I (Ci)			8.6219E-19

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 40.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 40.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

Detailed model information at time (H) = 48.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 48.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	7.5973E-46	9.9781E-44	3.8439E-45
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 48.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	7.8347E-46	1.0290E-43	3.9640E-45
Accumulated dose (rem)	2.2897E+00	3.2880E+01	3.3335E+00

TSC Doses:

Time (h) = 48.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	4.8247E-17	2.5601E-13	7.9636E-15
Accumulated dose (rem)	3.7835E-02	2.0002E+01	6.6960E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 48.0000 Ci kg Atoms Decay

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 48.0000	Atmosphere	Sump
Noble gases (atoms)	2.4244E+03	0.0000E+00
Elemental I (atoms)	3.1802E-01	0.0000E+00
Organic I (atoms)	9.8355E-03	0.0000E+00

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Aerosols (kg) 2.9804E-25 0.0000E+00
 Dose Effective (Ci/cc) I-131 (Thyroid) 5.8284E-27
 Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid) 6.0937E-27
 Total I (Ci) 1.2555E-17

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 48.0000 Leakage Transport

Noble gases (atoms) 1.5145E+00
 Elemental I (atoms) 2.8869E-04
 Organic I (atoms) 8.9284E-06
 Aerosols (kg) 1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 48.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 48.0000	Ci	kg	Atoms	Bq
Kr-85	4.7853E+03	1.2197E-02	8.6414E+22	1.7706E+14
Kr-85m	7.1252E+04	8.6581E-02	6.1342E+23	2.6363E+15
Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88	1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6574E+09
I-131	2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132	3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133	5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133	5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134	1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11
Cs-136	3.7761E+00	5.1523E-08	2.2814E+17	1.3972E+11
Cs-137	6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

Environment Transport Group Inventory:

Time (h) = 48.0000	Total		Release Rate/s
	Release		
Noble gases (atoms)	7.1382E+23		4.1309E+18
Elemental I (atoms)	1.3570E+20		7.8532E+14
Organic I (atoms)	4.1970E+18		2.4288E+13
Aerosols (kg)	8.7291E-05		5.0516E-10
Dose Effective (Ci) I-131 (Thyroid)			4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			5.0784E+03
Total I (Ci)			2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 48.0000 Leakage Transport

Noble gases (atoms) 1.5145E+00
 Elemental I (atoms) 2.8869E-04
 Organic I (atoms) 8.9284E-06
 Aerosols (kg) 1.8521E-28

Normal Environment to TSC Transport Group Inventory:

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	Pathway	
Time (h) = 48.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway	
Time (h) = 48.0000	Filtered	Transported
Noble gases (atoms)	4.0642E+18	0.0000E+00
Elemental I (atoms)	7.5812E+14	0.0000E+00
Organic I (atoms)	2.3447E+13	0.0000E+00
Aerosols (kg)	4.9710E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 48.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 48.0000	Ci	kg	Atoms	Decay
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MVP Holdup Transport Group Inventory:

Time (h) = 48.0000	Atmosphere	Sump	
Noble gases (atoms)	1.4729E+02	0.0000E+00	
Elemental I (atoms)	1.9320E-02	0.0000E+00	
Organic I (atoms)	5.9753E-04	0.0000E+00	
Aerosols (kg)	1.8107E-26	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		6.1825E-27
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		6.4639E-27
Total I (Ci)			7.6277E-19

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 48.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 48.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

Detailed model information at time (H) = 72.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 72.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	2.0487E-45	2.7395E-43	1.0506E-44

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Accumulated dose (rem) 4.8333E+00 6.8704E+01 7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 72.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	2.1128E-45	2.8251E-43	1.0834E-44
Accumulated dose (rem)	2.2897E+00	3.2880E+01	3.3335E+00

TSC Doses:

Time (h) = 72.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	8.0723E-20	4.3757E-16	1.3598E-17
Accumulated dose (rem)	3.7835E-02	2.0002E+01	6.6960E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 72.0000	Ci	kg	Atoms	Decay
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DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 72.0000	Atmosphere	Sump	
Noble gases (atoms)	2.4192E+03	0.0000E+00	
Elemental I (atoms)	2.8431E-01	0.0000E+00	
Organic I (atoms)	8.7930E-03	0.0000E+00	
Aerosols (kg)	2.9799E-25	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			5.1435E-27
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			5.2612E-27
Total I (Ci)			9.5301E-18

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 72.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 72.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 72.0000	Ci	kg	Atoms	Bq
Kr-85	4.7853E+03	1.2197E-02	8.6414E+22	1.7706E+14
Kr-85m	7.1252E+04	8.6581E-02	6.1342E+23	2.6363E+15
Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88	1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6574E+09
I-131	2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132	3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133	5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133	5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134	1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11
Cs-136	3.7761E+00	5.1523E-08	2.2814E+17	1.3972E+11
Cs-137	6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

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Environment Transport Group Inventory:

	Total	Release	
Time (h) = 72.0000	Release	Rate/s	
Noble gases (atoms)	7.1382E+23	2.7539E+18	
Elemental I (atoms)	1.3570E+20	5.2354E+14	
Organic I (atoms)	4.1970E+18	1.6192E+13	
Aerosols (kg)	8.7291E-05	3.3677E-10	
Dose Effective (Ci) I-131 (Thyroid)			4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			5.0784E+03
Total I (Ci)			2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 72.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

Normal Environment to TSC Transport Group Inventory:

Time (h) = 72.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 72.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	4.0642E+18	0.0000E+00
Elemental I (atoms)	7.5812E+14	0.0000E+00
Organic I (atoms)	2.3447E+13	0.0000E+00
Aerosols (kg)	4.9710E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 72.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 72.0000	Ci	kg	Atoms	Decay
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MVP Holdup Transport Group Inventory:

Time (h) = 72.0000	Pathway		
	Atmosphere	Sump	
Noble gases (atoms)	1.4697E+02	0.0000E+00	
Elemental I (atoms)	1.7272E-02	0.0000E+00	
Organic I (atoms)	5.3420E-04	0.0000E+00	
Aerosols (kg)	1.8103E-26	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			5.4560E-27
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			5.5808E-27
Total I (Ci)			5.7898E-19

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

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	Pathway	
Time (h) = 72.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 72.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

Detailed model information at time (H) = 96.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 96.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	1.8507E-45	2.4424E-43	9.3859E-45
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 96.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	1.9085E-45	2.5188E-43	9.6792E-45
Accumulated dose (rem)	2.2897E+00	3.2880E+01	3.3335E+00

TSC Doses:

Time (h) = 96.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	4.0884E-28	2.2201E-24	6.8908E-26
Accumulated dose (rem)	3.7835E-02	2.0002E+01	6.6960E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 96.0000	Ci	kg	Atoms	Decay
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DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 96.0000	Atmosphere	Sump	
Noble gases (atoms)	2.4145E+03	0.0000E+00	
Elemental I (atoms)	2.5753E-01	0.0000E+00	
Organic I (atoms)	7.9648E-03	0.0000E+00	
Aerosols (kg)	2.9793E-25	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		4.6279E-27
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		4.6807E-27
Total I (Ci)			7.8870E-18

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 96.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 96.0000	Pathway	
	Filtered	Transported

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Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 96.0000	Ci	kg	Atoms	Bq
Kr-85	4.7853E+03	1.2197E-02	8.6414E+22	1.7706E+14
Kr-85m	7.1252E+04	8.6581E-02	6.1342E+23	2.6363E+15
Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88	1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6574E+09
I-131	2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132	3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133	5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133	5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134	1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11
Cs-136	3.7761E+00	5.1523E-08	2.2814E+17	1.3972E+11
Cs-137	6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

Environment Transport Group Inventory:

Time (h) = 96.0000	Total Release	Release Rate/s	
Noble gases (atoms)	7.1382E+23	2.0654E+18	
Elemental I (atoms)	1.3570E+20	3.9266E+14	
Organic I (atoms)	4.1970E+18	1.2144E+13	
Aerosols (kg)	8.7291E-05	2.5258E-10	
Dose Effective (Ci) I-131 (Thyroid)			4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			5.0784E+03
Total I (Ci)			2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 96.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

Normal Environment to TSC Transport Group Inventory:

Time (h) = 96.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 96.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	4.0642E+18	0.0000E+00
Elemental I (atoms)	7.5812E+14	0.0000E+00
Organic I (atoms)	2.3447E+13	0.0000E+00
Aerosols (kg)	4.9710E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

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	Pathway	
Time (h) = 96.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 96.0000	Ci	kg	Atoms	Decay
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MVP Holdup Transport Group Inventory:

Time (h) = 96.0000	Atmosphere	Sump	
Noble gases (atoms)	1.4669E+02	0.0000E+00	
Elemental I (atoms)	1.5645E-02	0.0000E+00	
Organic I (atoms)	4.8388E-04	0.0000E+00	
Aerosols (kg)	1.8100E-26	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		4.9091E-27
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		4.9650E-27
Total I (Ci)			4.7915E-19

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 96.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 96.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

Detailed model information at time (H) = 120.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 120.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	6.2259E-46	8.0078E-44	3.0937E-45
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 120.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	6.6955E-46	8.6118E-44	3.3270E-45
Accumulated dose (rem)	2.2897E+00	3.2880E+01	3.3335E+00

TSC Doses:

Time (h) = 120.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	1.4429E-36	7.6529E-33	2.3755E-34
Accumulated dose (rem)	3.7835E-02	2.0002E+01	6.6960E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 120.0000	Ci	kg	Atoms	Decay
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DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 120.0000	Atmosphere	Sump	
Noble gases (atoms)	2.4103E+03	0.0000E+00	
Elemental I (atoms)	2.3478E-01	0.0000E+00	
Organic I (atoms)	7.2612E-03	0.0000E+00	
Aerosols (kg)	2.9787E-25	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			4.2049E-27
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			4.2286E-27
Total I (Ci)			6.8539E-18

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 120.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 120.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 120.0000	Ci	kg	Atoms	Bq
Kr-85	4.7853E+03	1.2197E-02	8.6414E+22	1.7706E+14
Kr-85m	7.1252E+04	8.6581E-02	6.1342E+23	2.6363E+15
Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88	1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6574E+09
I-131	2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132	3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133	5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133	5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134	1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11
Cs-136	3.7761E+00	5.1523E-08	2.2814E+17	1.3972E+11
Cs-137	6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

Environment Transport Group Inventory:

Time (h) = 120.0000	Total Release	Release Rate/s	
Noble gases (atoms)	7.1382E+23	1.6524E+18	
Elemental I (atoms)	1.3570E+20	3.1413E+14	
Organic I (atoms)	4.1970E+18	9.7153E+12	
Aerosols (kg)	8.7291E-05	2.0206E-10	
Dose Effective (Ci) I-131 (Thyroid)			4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			5.0784E+03
Total I (Ci)			2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 120.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
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Elemental I (atoms) 2.8869E-04
 Organic I (atoms) 8.9284E-06
 Aerosols (kg) 1.8521E-28

Normal Environment to TSC Transport Group Inventory:

	Pathway	
Time (h) = 120.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway	
Time (h) = 120.0000	Filtered	Transported
Noble gases (atoms)	4.0642E+18	0.0000E+00
Elemental I (atoms)	7.5812E+14	0.0000E+00
Organic I (atoms)	2.3447E+13	0.0000E+00
Aerosols (kg)	4.9710E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 120.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 120.0000	Ci	kg	Atoms	Decay
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MVP Holdup Transport Group Inventory:

Time (h) = 120.0000	Atmosphere	Sump	
Noble gases (atoms)	1.4643E+02	0.0000E+00	
Elemental I (atoms)	1.4263E-02	0.0000E+00	
Organic I (atoms)	4.4113E-04	0.0000E+00	
Aerosols (kg)	1.8096E-26	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		4.4604E-27
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		4.4855E-27
Total I (Ci)			4.1639E-19

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 120.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 120.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

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Detailed model information at time (H) = 144.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 144.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	5.8348E-46	7.2949E-44	2.8362E-45
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 144.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	6.2750E-46	7.8452E-44	3.0502E-45
Accumulated dose (rem)	2.2897E+00	3.2880E+01	3.3335E+00

TSC Doses:

Time (h) = 144.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	7.7426E-45	3.9953E-41	1.2410E-42
Accumulated dose (rem)	3.7835E-02	2.0002E+01	6.6960E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 144.0000	Ci	kg	Atoms	Decay
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DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 144.0000	Atmosphere	Sump	
Noble gases (atoms)	2.4065E+03	0.0000E+00	
Elemental I (atoms)	2.1472E-01	0.0000E+00	
Organic I (atoms)	6.6408E-03	0.0000E+00	
Aerosols (kg)	2.9782E-25	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			3.8393E-27
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			3.8499E-27
Total I (Ci)			6.1165E-18

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 144.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 144.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 144.0000	Ci	kg	Atoms	Bq
Kr-85	4.7853E+03	1.2197E-02	8.6414E+22	1.7706E+14
Kr-85m	7.1252E+04	8.6581E-02	6.1342E+23	2.6363E+15
Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88	1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6574E+09
I-131	2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132	3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133	5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14

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I-135	5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133	5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134	1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11
Cs-136	3.7761E+00	5.1523E-08	2.2814E+17	1.3972E+11
Cs-137	6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

Environment Transport Group Inventory:

	Total	Release	
Time (h) = 144.0000	Release	Rate/s	
Noble gases (atoms)	7.1382E+23	1.3770E+18	
Elemental I (atoms)	1.3570E+20	2.6177E+14	
Organic I (atoms)	4.1970E+18	8.0961E+12	
Aerosols (kg)	8.7291E-05	1.6839E-10	
Dose Effective (Ci) I-131 (Thyroid)			4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			5.0784E+03
Total I (Ci)			2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 144.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

Normal Environment to TSC Transport Group Inventory:

	Pathway	
Time (h) = 144.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway	
Time (h) = 144.0000	Filtered	Transported
Noble gases (atoms)	4.0642E+18	0.0000E+00
Elemental I (atoms)	7.5812E+14	0.0000E+00
Organic I (atoms)	2.3447E+13	0.0000E+00
Aerosols (kg)	4.9710E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 144.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 144.0000	Ci	kg	Atoms	Decay
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MVP Holdup Transport Group Inventory:

Time (h) = 144.0000	Atmosphere	Sump
Noble gases (atoms)	1.4620E+02	0.0000E+00
Elemental I (atoms)	1.3045E-02	0.0000E+00
Organic I (atoms)	4.0345E-04	0.0000E+00

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Aerosols (kg)	1.8093E-26	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		4.0725E-27
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		4.0838E-27
Total I (Ci)			3.7159E-19

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 144.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 144.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

Detailed model information at time (H) = 168.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 168.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	5.5009E-46	6.6694E-44	2.6117E-45
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 168.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	5.9158E-46	7.1725E-44	2.8088E-45
Accumulated dose (rem)	2.2897E+00	3.2880E+01	3.3335E+00

TSC Doses:

Time (h) = 168.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.7775E-49	1.8663E-45	5.8069E-47
Accumulated dose (rem)	3.7835E-02	2.0002E+01	6.6960E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 168.0000	Ci	kg	Atoms	Decay
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DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 168.0000	Atmosphere	Sump	
Noble gases (atoms)	2.4030E+03	0.0000E+00	
Elemental I (atoms)	1.9669E-01	0.0000E+00	
Organic I (atoms)	6.0831E-03	0.0000E+00	
Aerosols (kg)	2.9776E-25	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		3.5139E-27
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		3.5187E-27
Total I (Ci)			5.5343E-18

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 168.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06

Aerosols (kg) 1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 168.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 168.0000	Ci	kg	Atoms	Bq
Kr-85	4.7853E+03	1.2197E-02	8.6414E+22	1.7706E+14
Kr-85m	7.1252E+04	8.6581E-02	6.1342E+23	2.6363E+15
Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88	1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6574E+09
I-131	2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132	3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133	5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133	5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134	1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11
Cs-136	3.7761E+00	5.1523E-08	2.2814E+17	1.3972E+11
Cs-137	6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

Environment Transport Group Inventory:

Time (h) = 168.0000	Total Release	
	Release	Rate/s
Noble gases (atoms)	7.1382E+23	1.1803E+18
Elemental I (atoms)	1.3570E+20	2.2438E+14
Organic I (atoms)	4.1970E+18	6.9395E+12
Aerosols (kg)	8.7291E-05	1.4433E-10
Dose Effective (Ci) I-131 (Thyroid)		4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		5.0784E+03
Total I (Ci)		2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 168.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

Normal Environment to TSC Transport Group Inventory:

Time (h) = 168.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 168.0000	Pathway	
	Filtered	Transported

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Noble gases (atoms)	4.0642E+18	0.0000E+00
Elemental I (atoms)	7.5812E+14	0.0000E+00
Organic I (atoms)	2.3447E+13	0.0000E+00
Aerosols (kg)	4.9710E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 168.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 168.0000	Ci	kg	Atoms	Decay
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MVP Holdup Transport Group Inventory:

Time (h) = 168.0000	Pathway	
	Atmosphere	Sump
Noble gases (atoms)	1.4599E+02	0.0000E+00
Elemental I (atoms)	1.1949E-02	0.0000E+00
Organic I (atoms)	3.6956E-04	0.0000E+00
Aerosols (kg)	1.8090E-26	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		3.7274E-27
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		3.7325E-27
Total I (Ci)		3.3622E-19

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 168.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 168.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

Detailed model information at time (H) = 192.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 192.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	5.2110E-46	6.1083E-44	2.4116E-45
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 192.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	5.6040E-46	6.5691E-44	2.5935E-45
Accumulated dose (rem)	2.2897E+00	3.2880E+01	3.3335E+00

TSC Doses:

Time (h) = 192.0000	whole Body	Thyroid	TEDE
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Delta dose (rem) 3.5780E-49 1.7091E-45 5.3254E-47
 Accumulated dose (rem) 3.7835E-02 2.0002E+01 6.6960E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 192.0000 Ci kg Atoms Decay

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 192.0000 Atmosphere Sump
 Noble gases (atoms) 2.3999E+03 0.0000E+00
 Elemental I (atoms) 1.8031E-01 0.0000E+00
 Organic I (atoms) 5.5765E-03 0.0000E+00
 Aerosols (kg) 2.9770E-25 0.0000E+00
 Dose Effective (Ci/cc) I-131 (Thyroid) 3.2200E-27
 Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid) 3.2221E-27
 Total I (Ci) 5.0426E-18

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 192.0000 Leakage Transport

Noble gases (atoms) 1.5145E+00
 Elemental I (atoms) 2.8869E-04
 Organic I (atoms) 8.9284E-06
 Aerosols (kg) 1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 192.0000 Pathway
 Filtered Transported
 Noble gases (atoms) 0.0000E+00 7.1376E+23
 Elemental I (atoms) 0.0000E+00 1.3605E+20
 Organic I (atoms) 0.0000E+00 4.2077E+18
 Aerosols (kg) 0.0000E+00 8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 192.0000 Ci kg Atoms Bq
 Kr-85 4.7853E+03 1.2197E-02 8.6414E+22 1.7706E+14
 Kr-85m 7.1252E+04 8.6581E-02 6.1342E+23 2.6363E+15
 Kr-87 1.0150E+05 3.5832E-06 2.4803E+19 3.7553E+15
 Kr-88 1.6616E+05 1.3251E-05 9.0684E+19 6.1480E+15
 Rb-86 1.2587E-01 1.5470E-09 1.0833E+16 4.6574E+09
 I-131 2.9169E+03 2.3528E-05 1.0816E+20 1.0792E+14
 I-132 3.5532E+03 3.4423E-07 1.5704E+18 1.3147E+14
 I-133 5.7294E+03 5.0577E-06 2.2901E+19 2.1199E+14
 I-134 4.2846E+03 1.6061E-07 7.2180E+17 1.5853E+14
 I-135 5.1546E+03 1.4678E-06 6.5475E+18 1.9072E+14
 Xe-133 5.5941E+05 2.9886E-03 1.3532E+22 2.0698E+16
 Xe-135 1.9422E+05 7.6055E-05 3.3927E+20 7.1862E+15
 Cs-134 1.3585E+01 1.0500E-05 4.7189E+19 5.0266E+11
 Cs-136 3.7761E+00 5.1523E-08 2.2814E+17 1.3972E+11
 Cs-137 6.6748E+00 7.6738E-05 3.3732E+20 2.4697E+11

Environment Transport Group Inventory:

Time (h) = 192.0000 Total Release
 Release Rate/s
 Noble gases (atoms) 7.1382E+23 1.0327E+18
 Elemental I (atoms) 1.3570E+20 1.9633E+14
 Organic I (atoms) 4.1970E+18 6.0720E+12
 Aerosols (kg) 8.7291E-05 1.2629E-10
 Dose Effective (Ci) I-131 (Thyroid) 4.0452E+03
 Dose Effective (Ci) I-131 (ICRP2 Thyroid) 5.0784E+03

Total I (Ci)

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 192.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

Normal Environment to TSC Transport Group Inventory:

Time (h) = 192.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 192.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	4.0642E+18	0.0000E+00
Elemental I (atoms)	7.5812E+14	0.0000E+00
Organic I (atoms)	2.3447E+13	0.0000E+00
Aerosols (kg)	4.9710E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 192.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 192.0000	Ci	kg	Atoms	Decay
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MVP Holdup Transport Group Inventory:

Time (h) = 192.0000	Atmosphere	Sump	
Noble gases (atoms)	1.4580E+02	0.0000E+00	
Elemental I (atoms)	1.0954E-02	0.0000E+00	
Organic I (atoms)	3.3878E-04	0.0000E+00	
Aerosols (kg)	1.8086E-26	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			3.4156E-27
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			3.4179E-27
Total I (Ci)			3.0635E-19

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 192.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

Pathway

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Time (h) = 192.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

Detailed model information at time (H) = 216.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 216.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	4.9576E-46	5.5993E-44	2.2311E-45
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 216.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	5.3315E-46	6.0217E-44	2.3994E-45
Accumulated dose (rem)	2.2897E+00	3.2880E+01	3.3335E+00

TSC Doses:

Time (h) = 216.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.4040E-49	1.5667E-45	4.8896E-47
Accumulated dose (rem)	3.7835E-02	2.0002E+01	6.6960E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 216.0000	Ci	kg	Atoms	Decay
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DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 216.0000	Atmosphere	Sump	
Noble gases (atoms)	2.3971E+03	0.0000E+00	
Elemental I (atoms)	1.6535E-01	0.0000E+00	
Organic I (atoms)	5.1140E-03	0.0000E+00	
Aerosols (kg)	2.9765E-25	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		2.9523E-27
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.9533E-27
Total I (Ci)			4.6105E-18

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 216.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 216.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 216.0000	Ci	kg	Atoms	Bq
Kr-85	4.7853E+03	1.2197E-02	8.6414E+22	1.7706E+14
Kr-85m	7.1252E+04	8.6581E-02	6.1342E+23	2.6363E+15
Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15

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Kr-88	1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6574E+09
I-131	2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132	3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133	5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133	5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134	1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11
Cs-136	3.7761E+00	5.1523E-08	2.2814E+17	1.3972E+11
Cs-137	6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

Environment Transport Group Inventory:

	Total Release	Release Rate/s	
Time (h) = 216.0000			
Noble gases (atoms)	7.1382E+23	9.1798E+17	
Elemental I (atoms)	1.3570E+20	1.7451E+14	
Organic I (atoms)	4.1970E+18	5.3974E+12	
Aerosols (kg)	8.7291E-05	1.1226E-10	
Dose Effective (Ci) I-131 (Thyroid)			4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			5.0784E+03
Total I (Ci)			2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 216.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

Normal Environment to TSC Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 216.0000		
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 216.0000		
Noble gases (atoms)	4.0642E+18	0.0000E+00
Elemental I (atoms)	7.5812E+14	0.0000E+00
Organic I (atoms)	2.3447E+13	0.0000E+00
Aerosols (kg)	4.9710E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 216.0000		
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 216.0000	Ci	kg	Atoms	Decay
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MVP Holdup Transport Group Inventory:

Time (h) = 216.0000	Atmosphere	Sump	
Noble gases (atoms)	1.4563E+02	0.0000E+00	
Elemental I (atoms)	1.0045E-02	0.0000E+00	
Organic I (atoms)	3.1069E-04	0.0000E+00	
Aerosols (kg)	1.8083E-26	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		3.1317E-27
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		3.1327E-27
Total I (Ci)			2.8010E-19

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 216.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 216.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

Detailed model information at time (H) = 240.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 240.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	4.7355E-46	5.1349E-44	2.0674E-45
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 240.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	5.0927E-46	5.5222E-44	2.2234E-45
Accumulated dose (rem)	2.2897E+00	3.2880E+01	3.3335E+00

TSC Doses:

Time (h) = 240.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	3.2515E-49	1.4367E-45	4.4922E-47
Accumulated dose (rem)	3.7835E-02	2.0002E+01	6.6960E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 240.0000	ci	kg	Atoms	Decay
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DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 240.0000	Atmosphere	Sump	
Noble gases (atoms)	2.3945E+03	0.0000E+00	
Elemental I (atoms)	1.5167E-01	0.0000E+00	
Organic I (atoms)	4.6907E-03	0.0000E+00	
Aerosols (kg)	2.9759E-25	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		2.7077E-27
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.7082E-27
Total I (Ci)			4.2227E-18

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DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 240.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 240.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 240.0000	Ci	kg	Atoms	Bq
Kr-85	4.7853E+03	1.2197E-02	8.6414E+22	1.7706E+14
Kr-85m	7.1252E+04	8.6581E-02	6.1342E+23	2.6363E+15
Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88	1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6574E+09
I-131	2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132	3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133	5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133	5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134	1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11
Cs-136	3.7761E+00	5.1523E-08	2.2814E+17	1.3972E+11
Cs-137	6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

Environment Transport Group Inventory:

Time (h) = 240.0000	Total Release	
	Release	Rate/s
Noble gases (atoms)	7.1382E+23	8.2618E+17
Elemental I (atoms)	1.3570E+20	1.5706E+14
Organic I (atoms)	4.1970E+18	4.8576E+12
Aerosols (kg)	8.7291E-05	1.0103E-10
Dose Effective (Ci) I-131 (Thyroid)		4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		5.0784E+03
Total I (Ci)		2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 240.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

Normal Environment to TSC Transport Group Inventory:

Time (h) = 240.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13

Aerosols (kg) 0.0000E+00 4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 240.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	4.0642E+18	0.0000E+00
Elemental I (atoms)	7.5812E+14	0.0000E+00
Organic I (atoms)	2.3447E+13	0.0000E+00
Aerosols (kg)	4.9710E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 240.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 240.0000 Ci kg Atoms Decay

MVP Holdup Transport Group Inventory:

Time (h) = 240.0000	Atmosphere	Sump	
Noble gases (atoms)	1.4547E+02	0.0000E+00	
Elemental I (atoms)	9.2141E-03	0.0000E+00	
Organic I (atoms)	2.8497E-04	0.0000E+00	
Aerosols (kg)	1.8079E-26	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		2.8722E-27
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.8727E-27
Total I (Ci)			2.5654E-19

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 240.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 240.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

Detailed model information at time (H) = 264.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 264.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	4.5405E-46	4.7100E-44	1.9185E-45
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 264.0000	whole Body	Thyroid	TEDE
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Delta dose (rem) 4.8829E-46 5.0653E-44 2.0632E-45
 Accumulated dose (rem) 2.2897E+00 3.2880E+01 3.3335E+00

TSC Doses:

Time (h) = 264.0000 whole Body Thyroid TEDE
 Delta dose (rem) 3.1176E-49 1.3179E-45 4.1287E-47
 Accumulated dose (rem) 3.7835E-02 2.0002E+01 6.6960E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 264.0000 Ci kg Atoms Decay

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 264.0000 Atmosphere Sump
 Noble gases (atoms) 2.3922E+03 0.0000E+00
 Elemental I (atoms) 1.3913E-01 0.0000E+00
 Organic I (atoms) 4.3029E-03 0.0000E+00
 Aerosols (kg) 2.9754E-25 0.0000E+00
 Dose Effective (Ci/cc) I-131 (Thyroid) 2.4837E-27
 Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid) 2.4839E-27
 Total I (Ci) 3.8708E-18

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 264.0000 Leakage Transport

Noble gases (atoms) 1.5145E+00
 Elemental I (atoms) 2.8869E-04
 Organic I (atoms) 8.9284E-06
 Aerosols (kg) 1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 264.0000 Pathway
 Filtered Transported
 Noble gases (atoms) 0.0000E+00 7.1376E+23
 Elemental I (atoms) 0.0000E+00 1.3605E+20
 Organic I (atoms) 0.0000E+00 4.2077E+18
 Aerosols (kg) 0.0000E+00 8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 264.0000 Ci kg Atoms Bq
 Kr-85 4.7853E+03 1.2197E-02 8.6414E+22 1.7706E+14
 Kr-85m 7.1252E+04 8.6581E-02 6.1342E+23 2.6363E+15
 Kr-87 1.0150E+05 3.5832E-06 2.4803E+19 3.7553E+15
 Kr-88 1.6616E+05 1.3251E-05 9.0684E+19 6.1480E+15
 Rb-86 1.2587E-01 1.5470E-09 1.0833E+16 4.6574E+09
 I-131 2.9169E+03 2.3528E-05 1.0816E+20 1.0792E+14
 I-132 3.5532E+03 3.4423E-07 1.5704E+18 1.3147E+14
 I-133 5.7294E+03 5.0577E-06 2.2901E+19 2.1199E+14
 I-134 4.2846E+03 1.6061E-07 7.2180E+17 1.5853E+14
 I-135 5.1546E+03 1.4678E-06 6.5475E+18 1.9072E+14
 Xe-133 5.5941E+05 2.9886E-03 1.3532E+22 2.0698E+16
 Xe-135 1.9422E+05 7.6055E-05 3.3927E+20 7.1862E+15
 Cs-134 1.3585E+01 1.0500E-05 4.7189E+19 5.0266E+11
 Cs-136 3.7761E+00 5.1523E-08 2.2814E+17 1.3972E+11
 Cs-137 6.6748E+00 7.6738E-05 3.3732E+20 2.4697E+11

Environment Transport Group Inventory:

Time (h) = 264.0000 Total Release Release Rate/s
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Noble gases (atoms)	7.1382E+23	7.5107E+17	
Elemental I (atoms)	1.3570E+20	1.4278E+14	
Organic I (atoms)	4.1970E+18	4.4160E+12	
Aerosols (kg)	8.7291E-05	9.1847E-11	
Dose Effective (Ci) I-131 (Thyroid)			4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			5.0784E+03
Total I (Ci)			2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 264.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

Normal Environment to TSC Transport Group Inventory:

	Pathway	
Time (h) = 264.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway	
Time (h) = 264.0000	Filtered	Transported
Noble gases (atoms)	4.0642E+18	0.0000E+00
Elemental I (atoms)	7.5812E+14	0.0000E+00
Organic I (atoms)	2.3447E+13	0.0000E+00
Aerosols (kg)	4.9710E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 264.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 264.0000	Ci	kg	Atoms	Decay
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MVP Holdup Transport Group Inventory:

Time (h) = 264.0000	Atmosphere	Sump	
Noble gases (atoms)	1.4533E+02	0.0000E+00	
Elemental I (atoms)	8.4523E-03	0.0000E+00	
Organic I (atoms)	2.6141E-04	0.0000E+00	
Aerosols (kg)	1.8076E-26	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			2.6346E-27
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.6348E-27
Total I (Ci)			2.3516E-19

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 264.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20

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Organic I (atoms) 0.0000E+00 4.2077E+18
 Aerosols (kg) 0.0000E+00 8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 264.0000		
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

Detailed model information at time (H) = 288.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 288.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	4.3691E-46	4.3208E-44	1.7828E-45
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 288.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	4.6987E-46	4.6467E-44	1.9173E-45
Accumulated dose (rem)	2.2897E+00	3.2880E+01	3.3335E+00

TSC Doses:

Time (h) = 288.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	2.9999E-49	1.2089E-45	3.7958E-47
Accumulated dose (rem)	3.7835E-02	2.0002E+01	6.6960E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 288.0000	Ci	kg	Atoms	Decay
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DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 288.0000	Atmosphere	Sump	
Noble gases (atoms)	2.3900E+03	0.0000E+00	
Elemental I (atoms)	1.2763E-01	0.0000E+00	
Organic I (atoms)	3.9473E-03	0.0000E+00	
Aerosols (kg)	2.9748E-25	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			2.2784E-27
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.2785E-27
Total I (Ci)			3.5496E-18

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 288.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 288.0000		
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

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Environment Integral Nuclide Release:

Time (h) = 288.0000	Ci	kg	Atoms	Bq
Kr-85	4.7853E+03	1.2197E-02	8.6414E+22	1.7706E+14
Kr-85m	7.1252E+04	8.6581E-02	6.1342E+23	2.6363E+15
Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88	1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6574E+09
I-131	2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132	3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133	5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133	5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134	1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11
Cs-136	3.7761E+00	5.1523E-08	2.2814E+17	1.3972E+11
Cs-137	6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

Environment Transport Group Inventory:

Time (h) = 288.0000	Total Release	Release Rate/s
Noble gases (atoms)	7.1382E+23	6.8848E+17
Elemental I (atoms)	1.3570E+20	1.3089E+14
Organic I (atoms)	4.1970E+18	4.0480E+12
Aerosols (kg)	8.7291E-05	8.4193E-11
Dose Effective (Ci) I-131 (Thyroid)		4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		5.0784E+03
Total I (Ci)		2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 288.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

Normal Environment to TSC Transport Group Inventory:

Time (h) = 288.0000	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 288.0000	Pathway Filtered	Transported
Noble gases (atoms)	4.0642E+18	0.0000E+00
Elemental I (atoms)	7.5812E+14	0.0000E+00
Organic I (atoms)	2.3447E+13	0.0000E+00
Aerosols (kg)	4.9710E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 288.0000	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20

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Organic I (atoms) 0.0000E+00 4.3565E+18
 Aerosols (kg) 0.0000E+00 9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 288.0000 Ci kg Atoms Decay

MVP Holdup Transport Group Inventory:

Time (h) = 288.0000 Atmosphere Sump
 Noble gases (atoms) 1.4520E+02 0.0000E+00
 Elemental I (atoms) 7.7538E-03 0.0000E+00
 Organic I (atoms) 2.3981E-04 0.0000E+00
 Aerosols (kg) 1.8073E-26 0.0000E+00
 Dose Effective (Ci/cc) I-131 (Thyroid) 2.4168E-27
 Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid) 2.4169E-27
 Total I (Ci) 2.1565E-19

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 288.0000 Pathway
 Filtered Transported
 Noble gases (atoms) 0.0000E+00 7.1376E+23
 Elemental I (atoms) 0.0000E+00 1.3605E+20
 Organic I (atoms) 0.0000E+00 4.2077E+18
 Aerosols (kg) 0.0000E+00 8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 288.0000 Pathway
 Filtered Transported
 Noble gases (atoms) 0.0000E+00 7.3917E+23
 Elemental I (atoms) 0.0000E+00 1.4086E+20
 Organic I (atoms) 0.0000E+00 4.3565E+18
 Aerosols (kg) 0.0000E+00 9.0389E-05

Detailed model information at time (H) = 312.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 312.0000 whole Body Thyroid TEDE
 Delta dose (rem) 4.2184E-46 3.9639E-44 1.6590E-45
 Accumulated dose (rem) 4.8333E+00 6.8704E+01 7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 312.0000 whole Body Thyroid TEDE
 Delta dose (rem) 4.5366E-46 4.2629E-44 1.7842E-45
 Accumulated dose (rem) 2.2897E+00 3.2880E+01 3.3335E+00

TSC Doses:

Time (h) = 312.0000 whole Body Thyroid TEDE
 Delta dose (rem) 2.8965E-49 1.1091E-45 3.4906E-47
 Accumulated dose (rem) 3.7835E-02 2.0002E+01 6.6960E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 312.0000 Ci kg Atoms Decay

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 312.0000 Atmosphere Sump
 Noble gases (atoms) 2.3880E+03 0.0000E+00
 Elemental I (atoms) 1.1708E-01 0.0000E+00

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Organic I (atoms)	3.6212E-03	0.0000E+00	
Aerosols (kg)	2.9743E-25	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			2.0902E-27
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.0902E-27
Total I (Ci)			3.2558E-18

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 312.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 312.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 312.0000	Ci	kg	Atoms	Bq
Kr-85	4.7853E+03	1.2197E-02	8.6414E+22	1.7706E+14
Kr-85m	7.1252E+04	8.6581E-02	6.1342E+23	2.6363E+15
Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88	1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6574E+09
I-131	2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132	3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133	5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133	5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134	1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11
Cs-136	3.7761E+00	5.1523E-08	2.2814E+17	1.3972E+11
Cs-137	6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

Environment Transport Group Inventory:

	Total	Release	
Time (h) = 312.0000	Release	Rate/s	
Noble gases (atoms)	7.1382E+23	6.3552E+17	
Elemental I (atoms)	1.3570E+20	1.2082E+14	
Organic I (atoms)	4.1970E+18	3.7366E+12	
Aerosols (kg)	8.7291E-05	7.7717E-11	
Dose Effective (Ci) I-131 (Thyroid)			4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			5.0784E+03
Total I (Ci)			2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 312.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

Normal Environment to TSC Transport Group Inventory:

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Time (h) = 312.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 312.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	4.0642E+18	0.0000E+00
Elemental I (atoms)	7.5812E+14	0.0000E+00
Organic I (atoms)	2.3447E+13	0.0000E+00
Aerosols (kg)	4.9710E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 312.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 312.0000	Ci	kg	Atoms	Decay
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MVP Holdup Transport Group Inventory:

Time (h) = 312.0000	Atmosphere	Sump	
Noble gases (atoms)	1.4508E+02	0.0000E+00	
Elemental I (atoms)	7.1132E-03	0.0000E+00	
Organic I (atoms)	2.1999E-04	0.0000E+00	
Aerosols (kg)	1.8070E-26	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		2.2171E-27
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		2.2172E-27
Total I (Ci)			1.9780E-19

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 312.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 312.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

Detailed model information at time (H) = 336.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 336.0000	whole Body	Thyroid	TEDE
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Delta dose (rem) 4.0859E-46 3.6366E-44 1.5461E-45
 Accumulated dose (rem) 4.8333E+00 6.8704E+01 7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 336.0000 Whole Body Thyroid TEDE
 Delta dose (rem) 4.3941E-46 3.9110E-44 1.6627E-45
 Accumulated dose (rem) 2.2897E+00 3.2880E+01 3.3335E+00

TSC Doses:

Time (h) = 336.0000 Whole Body Thyroid TEDE
 Delta dose (rem) 2.8055E-49 1.0175E-45 3.2108E-47
 Accumulated dose (rem) 3.7835E-02 2.0002E+01 6.6960E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 336.0000 Ci kg Atoms Decay

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 336.0000 Atmosphere Sump
 Noble gases (atoms) 2.3861E+03 0.0000E+00
 Elemental I (atoms) 1.0741E-01 0.0000E+00
 Organic I (atoms) 3.3220E-03 0.0000E+00
 Aerosols (kg) 2.9738E-25 0.0000E+00
 Dose Effective (Ci/cc) I-131 (Thyroid) 1.9175E-27
 Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid) 1.9175E-27
 Total I (Ci) 2.9866E-18

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 336.0000 Leakage Transport

Noble gases (atoms) 1.5145E+00
 Elemental I (atoms) 2.8869E-04
 Organic I (atoms) 8.9284E-06
 Aerosols (kg) 1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 336.0000 Pathway Filtered Transported
 Noble gases (atoms) 0.0000E+00 7.1376E+23
 Elemental I (atoms) 0.0000E+00 1.3605E+20
 Organic I (atoms) 0.0000E+00 4.2077E+18
 Aerosols (kg) 0.0000E+00 8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 336.0000 Ci kg Atoms Bq
 Kr-85 4.7853E+03 1.2197E-02 8.6414E+22 1.7706E+14
 Kr-85m 7.1252E+04 8.6581E-02 6.1342E+23 2.6363E+15
 Kr-87 1.0150E+05 3.5832E-06 2.4803E+19 3.7553E+15
 Kr-88 1.6616E+05 1.3251E-05 9.0684E+19 6.1480E+15
 Rb-86 1.2587E-01 1.5470E-09 1.0833E+16 4.6574E+09
 I-131 2.9169E+03 2.3528E-05 1.0816E+20 1.0792E+14
 I-132 3.5532E+03 3.4423E-07 1.5704E+18 1.3147E+14
 I-133 5.7294E+03 5.0577E-06 2.2901E+19 2.1199E+14
 I-134 4.2846E+03 1.6061E-07 7.2180E+17 1.5853E+14
 I-135 5.1546E+03 1.4678E-06 6.5475E+18 1.9072E+14
 Xe-133 5.5941E+05 2.9886E-03 1.3532E+22 2.0698E+16
 Xe-135 1.9422E+05 7.6055E-05 3.3927E+20 7.1862E+15
 Cs-134 1.3585E+01 1.0500E-05 4.7189E+19 5.0266E+11
 Cs-136 3.7761E+00 5.1523E-08 2.2814E+17 1.3972E+11

Cs-137 6.6748E+00 7.6738E-05 3.3732E+20 2.4697E+11

Environment Transport Group Inventory:

	Total Release	Release Rate/s	
Time (h) = 336.0000			
Noble gases (atoms)	7.1382E+23	5.9013E+17	
Elemental I (atoms)	1.3570E+20	1.1219E+14	
Organic I (atoms)	4.1970E+18	3.4697E+12	
Aerosols (kg)	8.7291E-05	7.2166E-11	
Dose Effective (Ci) I-131 (Thyroid)			4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			5.0784E+03
Total I (Ci)			2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 336.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

Normal Environment to TSC Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 336.0000		
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 336.0000		
Noble gases (atoms)	4.0642E+18	0.0000E+00
Elemental I (atoms)	7.5812E+14	0.0000E+00
Organic I (atoms)	2.3447E+13	0.0000E+00
Aerosols (kg)	4.9710E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 336.0000		
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 336.0000 Ci kg Atoms Decay

MVP Holdup Transport Group Inventory:

	Atmosphere	Sump	
Time (h) = 336.0000			
Noble gases (atoms)	1.4496E+02	0.0000E+00	
Elemental I (atoms)	6.5255E-03	0.0000E+00	
Organic I (atoms)	2.0182E-04	0.0000E+00	
Aerosols (kg)	1.8066E-26	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			2.0340E-27
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			2.0340E-27
Total I (Ci)			1.8144E-19

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DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 336.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 336.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

Detailed model information at time (H) = 360.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 360.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	3.9693E-46	3.3364E-44	1.4430E-45
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 360.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	4.2687E-46	3.5881E-44	1.5518E-45
Accumulated dose (rem)	2.2897E+00	3.2880E+01	3.3335E+00

TSC Doses:

Time (h) = 360.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	2.7254E-49	9.3353E-46	2.9541E-47
Accumulated dose (rem)	3.7835E-02	2.0002E+01	6.6960E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 360.0000	Ci	kg	Atoms	Decay
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DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 360.0000	Atmosphere	Sump	
Noble gases (atoms)	2.3844E+03	0.0000E+00	
Elemental I (atoms)	9.8540E-02	0.0000E+00	
Organic I (atoms)	3.0476E-03	0.0000E+00	
Aerosols (kg)	2.9732E-25	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.7591E-27
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		1.7591E-27
Total I (Ci)			2.7397E-18

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 360.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Pathway

CRDA GAP MVP TSC.o0

	Filtered	Transported
Time (h) = 360.0000		
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 360.0000	Ci	kg	Atoms	Bq
Kr-85	4.7853E+03	1.2197E-02	8.6414E+22	1.7706E+14
Kr-85m	7.1252E+04	8.6581E-02	6.1342E+23	2.6363E+15
Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88	1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6574E+09
I-131	2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132	3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133	5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133	5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134	1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11
Cs-136	3.7761E+00	5.1523E-08	2.2814E+17	1.3972E+11
Cs-137	6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

Environment Transport Group Inventory:

Time (h) = 360.0000	Total Release	Release Rate/s
Noble gases (atoms)	7.1382E+23	5.5079E+17
Elemental I (atoms)	1.3570E+20	1.0471E+14
Organic I (atoms)	4.1970E+18	3.2384E+12
Aerosols (kg)	8.7291E-05	6.7355E-11
Dose Effective (Ci) I-131 (Thyroid)		4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		5.0784E+03
Total I (Ci)		2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 360.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

Normal Environment to TSC Transport Group Inventory:

Time (h) = 360.0000	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 360.0000	Pathway Filtered	Transported
Noble gases (atoms)	4.0642E+18	0.0000E+00
Elemental I (atoms)	7.5812E+14	0.0000E+00
Organic I (atoms)	2.3447E+13	0.0000E+00
Aerosols (kg)	4.9710E-10	0.0000E+00

CRDA GAP MVP TSC.o0

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 360.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 360.0000	Ci	kg	Atoms	Decay
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MVP Holdup Transport Group Inventory:

Time (h) = 360.0000	Atmosphere	Sump		
Noble gases (atoms)	1.4486E+02	0.0000E+00		
Elemental I (atoms)	5.9865E-03	0.0000E+00		
Organic I (atoms)	1.8515E-04	0.0000E+00		
Aerosols (kg)	1.8063E-26	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.8660E-27	
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		1.8660E-27	
Total I (Ci)			1.6645E-19	

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 360.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 360.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

Detailed model information at time (H) = 384.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 384.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.8666E-46	3.0611E-44	1.3488E-45
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 384.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	4.1583E-46	3.2920E-44	1.4506E-45
Accumulated dose (rem)	2.2897E+00	3.2880E+01	3.3335E+00

TSC Doses:

Time (h) = 384.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	2.6549E-49	8.5648E-46	2.7187E-47
Accumulated dose (rem)	3.7835E-02	2.0002E+01	6.6960E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

CRDA GAP MVP TSC.o0
 Time (h) = 384.0000 Ci kg Atoms Decay

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 384.0000	Atmosphere	Sump	
Noble gases (atoms)	2.3828E+03	0.0000E+00	
Elemental I (atoms)	9.0400E-02	0.0000E+00	
Organic I (atoms)	2.7959E-03	0.0000E+00	
Aerosols (kg)	2.9727E-25	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.6138E-27
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			1.6138E-27
Total I (Ci)			2.5134E-18

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 384.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 384.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 384.0000	Ci	kg	Atoms	Bq
Kr-85	4.7853E+03	1.2197E-02	8.6414E+22	1.7706E+14
Kr-85m	7.1252E+04	8.6581E-02	6.1342E+23	2.6363E+15
Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88	1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6574E+09
I-131	2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132	3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133	5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133	5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134	1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11
Cs-136	3.7761E+00	5.1523E-08	2.2814E+17	1.3972E+11
Cs-137	6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

Environment Transport Group Inventory:

	Total	Release
Time (h) = 384.0000	Release	Rate/s
Noble gases (atoms)	7.1382E+23	5.1636E+17
Elemental I (atoms)	1.3570E+20	9.8165E+13
Organic I (atoms)	4.1970E+18	3.0360E+12
Aerosols (kg)	8.7291E-05	6.3145E-11
Dose Effective (Ci) I-131 (Thyroid)		4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		5.0784E+03
Total I (Ci)		2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 384.0000 Leakage Transport

CRDA GAP MVP TSC.o0

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

Normal Environment to TSC Transport Group Inventory:

Time (h) = 384.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 384.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	4.0642E+18	0.0000E+00
Elemental I (atoms)	7.5812E+14	0.0000E+00
Organic I (atoms)	2.3447E+13	0.0000E+00
Aerosols (kg)	4.9710E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 384.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 384.0000	Ci	kg	Atoms	Decay
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MVP Holdup Transport Group Inventory:

Time (h) = 384.0000	Pathway		
	Atmosphere	Sump	
Noble gases (atoms)	1.4476E+02	0.0000E+00	
Elemental I (atoms)	5.4920E-03	0.0000E+00	
Organic I (atoms)	1.6986E-04	0.0000E+00	
Aerosols (kg)	1.8060E-26	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.7118E-27
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		1.7118E-27
Total I (Ci)			1.5269E-19

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 384.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 384.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

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Detailed model information at time (H) = 408.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 408.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.7762E-46	2.8084E-44	1.2628E-45
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 408.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	4.0611E-46	3.0203E-44	1.3581E-45
Accumulated dose (rem)	2.2897E+00	3.2880E+01	3.3335E+00

TSC Doses:

Time (h) = 408.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	2.5928E-49	7.8579E-46	2.5027E-47
Accumulated dose (rem)	3.7835E-02	2.0002E+01	6.6960E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 408.0000	Ci	kg	Atoms	Decay
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DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 408.0000	Atmosphere	Sump	
Noble gases (atoms)	2.3813E+03	0.0000E+00	
Elemental I (atoms)	8.2933E-02	0.0000E+00	
Organic I (atoms)	2.5649E-03	0.0000E+00	
Aerosols (kg)	2.9722E-25	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.4805E-27
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			1.4805E-27
Total I (Ci)			2.3058E-18

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 408.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 408.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 408.0000	Ci	kg	Atoms	Bq
Kr-85	4.7853E+03	1.2197E-02	8.6414E+22	1.7706E+14
Kr-85m	7.1252E+04	8.6581E-02	6.1342E+23	2.6363E+15
Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88	1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6574E+09
I-131	2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132	3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133	5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14

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I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133	5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134	1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11
Cs-136	3.7761E+00	5.1523E-08	2.2814E+17	1.3972E+11
Cs-137	6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

Environment Transport Group Inventory:

	Total Release	Release Rate/s	
Time (h) = 408.0000			
Noble gases (atoms)	7.1382E+23	4.8599E+17	
Elemental I (atoms)	1.3570E+20	9.2390E+13	
Organic I (atoms)	4.1970E+18	2.8574E+12	
Aerosols (kg)	8.7291E-05	5.9430E-11	
Dose Effective (Ci) I-131 (Thyroid)			4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			5.0784E+03
Total I (Ci)			2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 408.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

Normal Environment to TSC Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 408.0000		
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 408.0000		
Noble gases (atoms)	4.0642E+18	0.0000E+00
Elemental I (atoms)	7.5812E+14	0.0000E+00
Organic I (atoms)	2.3447E+13	0.0000E+00
Aerosols (kg)	4.9710E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 408.0000		
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 408.0000	ci	kg	Atoms	Decay
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MVP Holdup Transport Group Inventory:

Time (h) = 408.0000	Atmosphere	Sump
Noble gases (atoms)	1.4467E+02	0.0000E+00
Elemental I (atoms)	5.0383E-03	0.0000E+00

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Organic I (atoms)	1.5583E-04	0.0000E+00	
Aerosols (kg)	1.8057E-26	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.5704E-27
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		1.5704E-27
Total I (Ci)			1.4008E-19

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 408.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 408.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

Detailed model information at time (H) = 432.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 432.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	3.6966E-46	2.5767E-44	1.1843E-45
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 432.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	3.9754E-46	2.7710E-44	1.2736E-45
Accumulated dose (rem)	2.2897E+00	3.2880E+01	3.3335E+00

TSC Doses:

Time (h) = 432.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	2.5382E-49	7.2095E-46	2.3046E-47
Accumulated dose (rem)	3.7835E-02	2.0002E+01	6.6960E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 432.0000	Ci	kg	Atoms	Decay
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DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 432.0000	Atmosphere	Sump	
Noble gases (atoms)	2.3798E+03	0.0000E+00	
Elemental I (atoms)	7.6082E-02	0.0000E+00	
Organic I (atoms)	2.3531E-03	0.0000E+00	
Aerosols (kg)	2.9716E-25	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.3582E-27
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		1.3582E-27
Total I (Ci)			2.1153E-18

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 432.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04

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Organic I (atoms) 8.9284E-06
 Aerosols (kg) 1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 432.0000		
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 432.0000	Ci	kg	Atoms	Bq
Kr-85	4.7853E+03	1.2197E-02	8.6414E+22	1.7706E+14
Kr-85m	7.1252E+04	8.6581E-02	6.1342E+23	2.6363E+15
Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88	1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6574E+09
I-131	2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132	3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133	5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133	5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134	1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11
Cs-136	3.7761E+00	5.1523E-08	2.2814E+17	1.3972E+11
Cs-137	6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

Environment Transport Group Inventory:

Time (h) = 432.0000	Total Release	Release Rate/s
Noble gases (atoms)	7.1382E+23	4.5899E+17
Elemental I (atoms)	1.3570E+20	8.7257E+13
Organic I (atoms)	4.1970E+18	2.6987E+12
Aerosols (kg)	8.7291E-05	5.6129E-11
Dose Effective (Ci) I-131 (Thyroid)		4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		5.0784E+03
Total I (Ci)		2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 432.0000 Leakage Transport

Noble gases (atoms) 1.5145E+00
 Elemental I (atoms) 2.8869E-04
 Organic I (atoms) 8.9284E-06
 Aerosols (kg) 1.8521E-28

Normal Environment to TSC Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 432.0000		
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

Pathway

CRDA GAP MVP TSC.o0

Time (h) = 432.0000	Filtered	Transported
Noble gases (atoms)	4.0642E+18	0.0000E+00
Elemental I (atoms)	7.5812E+14	0.0000E+00
Organic I (atoms)	2.3447E+13	0.0000E+00
Aerosols (kg)	4.9710E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 432.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 432.0000	Ci	kg	Atoms	Decay
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MVP Holdup Transport Group Inventory:

Time (h) = 432.0000	Atmosphere	Sump	
Noble gases (atoms)	1.4458E+02	0.0000E+00	
Elemental I (atoms)	4.6222E-03	0.0000E+00	
Organic I (atoms)	1.4295E-04	0.0000E+00	
Aerosols (kg)	1.8053E-26	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.4407E-27
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		1.4407E-27
Total I (Ci)			1.2851E-19

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 432.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 432.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

Detailed model information at time (H) = 456.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 456.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.6264E-46	2.3641E-44	1.1125E-45
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 456.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.9000E-46	2.5424E-44	1.1964E-45
Accumulated dose (rem)	2.2897E+00	3.2880E+01	3.3335E+00

TSC Doses:

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Time (h) = 456.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	2.4900E-49	6.6146E-46	2.1229E-47
Accumulated dose (rem)	3.7835E-02	2.0002E+01	6.6960E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 456.0000	Ci	kg	Atoms	Decay
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DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 456.0000	Atmosphere	Sump	
Noble gases (atoms)	2.3785E+03	0.0000E+00	
Elemental I (atoms)	6.9798E-02	0.0000E+00	
Organic I (atoms)	2.1587E-03	0.0000E+00	
Aerosols (kg)	2.9711E-25	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.2460E-27
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		1.2460E-27
Total I (Ci)			1.9406E-18

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 456.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 456.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 456.0000	Ci	kg	Atoms	Bq
Kr-85	4.7853E+03	1.2197E-02	8.6414E+22	1.7706E+14
Kr-85m	7.1252E+04	8.6581E-02	6.1342E+23	2.6363E+15
Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88	1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6574E+09
I-131	2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132	3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133	5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133	5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134	1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11
Cs-136	3.7761E+00	5.1523E-08	2.2814E+17	1.3972E+11
Cs-137	6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

Environment Transport Group Inventory:

Time (h) = 456.0000	Total Release	Release Rate/s	
Noble gases (atoms)	7.1382E+23	4.3483E+17	
Elemental I (atoms)	1.3570E+20	8.2665E+13	
Organic I (atoms)	4.1970E+18	2.5566E+12	
Aerosols (kg)	8.7291E-05	5.3175E-11	
Dose Effective (Ci) I-131 (Thyroid)			4.0452E+03

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Dose Effective (Ci) I-131 (ICRP2 Thyroid) 5.0784E+03
 Total I (Ci) 2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 456.0000 Leakage Transport

Noble gases (atoms) 1.5145E+00
 Elemental I (atoms) 2.8869E-04
 Organic I (atoms) 8.9284E-06
 Aerosols (kg) 1.8521E-28

Normal Environment to TSC Transport Group Inventory:

	Pathway	
Time (h) = 456.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway	
Time (h) = 456.0000	Filtered	Transported
Noble gases (atoms)	4.0642E+18	0.0000E+00
Elemental I (atoms)	7.5812E+14	0.0000E+00
Organic I (atoms)	2.3447E+13	0.0000E+00
Aerosols (kg)	4.9710E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 456.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 456.0000	Ci	kg	Atoms	Decay
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MVP Holdup Transport Group Inventory:

Time (h) = 456.0000	Atmosphere	Sump	
Noble gases (atoms)	1.4450E+02	0.0000E+00	
Elemental I (atoms)	4.2404E-03	0.0000E+00	
Organic I (atoms)	1.3115E-04	0.0000E+00	
Aerosols (kg)	1.8050E-26	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.3217E-27
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			1.3217E-27
Total I (Ci)			1.1789E-19

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 456.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

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	Pathway	
Time (h) = 456.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

Detailed model information at time (H) = 480.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 480.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.5645E-46	2.1690E-44	1.0469E-45
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 480.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.8334E-46	2.3326E-44	1.1258E-45
Accumulated dose (rem)	2.2897E+00	3.2880E+01	3.3335E+00

TSC Doses:

Time (h) = 480.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	2.4475E-49	6.0688E-46	1.9562E-47
Accumulated dose (rem)	3.7835E-02	2.0002E+01	6.6960E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 480.0000	Ci	kg	Atoms	Decay
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DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 480.0000	Atmosphere	Sump	
Noble gases (atoms)	2.3772E+03	0.0000E+00	
Elemental I (atoms)	6.4033E-02	0.0000E+00	
Organic I (atoms)	1.9804E-03	0.0000E+00	
Aerosols (kg)	2.9706E-25	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.1431E-27
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		1.1431E-27
Total I (Ci)			1.7803E-18

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 480.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 480.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 480.0000	Ci	kg	Atoms	Bq
Kr-85	4.7853E+03	1.2197E-02	8.6414E+22	1.7706E+14
Kr-85m	7.1252E+04	8.6581E-02	6.1342E+23	2.6363E+15

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Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88	1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6574E+09
I-131	2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132	3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133	5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133	5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134	1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11
Cs-136	3.7761E+00	5.1523E-08	2.2814E+17	1.3972E+11
Cs-137	6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

Environment Transport Group Inventory:

	Total Release	Release Rate/s	
Time (h) = 480.0000			
Noble gases (atoms)	7.1382E+23	4.1309E+17	
Elemental I (atoms)	1.3570E+20	7.8532E+13	
Organic I (atoms)	4.1970E+18	2.4288E+12	
Aerosols (kg)	8.7291E-05	5.0516E-11	
Dose Effective (Ci) I-131 (Thyroid)			4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			5.0784E+03
Total I (Ci)			2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 480.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

Normal Environment to TSC Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 480.0000		
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 480.0000		
Noble gases (atoms)	4.0642E+18	0.0000E+00
Elemental I (atoms)	7.5812E+14	0.0000E+00
Organic I (atoms)	2.3447E+13	0.0000E+00
Aerosols (kg)	4.9710E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 480.0000		
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 480.0000 CRDA GAP MVP TSC.o0 Ci kg Atoms Decay

MVP Holdup Transport Group Inventory:

Time (h) = 480.0000	Atmosphere	Sump		
Noble gases (atoms)	1.4442E+02	0.0000E+00		
Elemental I (atoms)	3.8901E-03	0.0000E+00		
Organic I (atoms)	1.2031E-04	0.0000E+00		
Aerosols (kg)	1.8047E-26	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)			1.2125E-27
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)			1.2125E-27
Total I (Ci)				1.0815E-19

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 480.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 480.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

Detailed model information at time (h) = 504.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 504.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	3.5100E-46	1.9901E-44	9.8690E-46
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 504.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	3.7747E-46	2.1402E-44	1.0613E-45
Accumulated dose (rem)	2.2897E+00	3.2880E+01	3.3335E+00

TSC Doses:

Time (h) = 504.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	2.4100E-49	5.5682E-46	1.8033E-47
Accumulated dose (rem)	3.7835E-02	2.0002E+01	6.6960E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 504.0000 Ci kg Atoms Decay

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 504.0000	Atmosphere	Sump		
Noble gases (atoms)	2.3759E+03	0.0000E+00		
Elemental I (atoms)	5.8743E-02	0.0000E+00		
Organic I (atoms)	1.8168E-03	0.0000E+00		
Aerosols (kg)	2.9701E-25	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)			1.0487E-27
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)			1.0487E-27
Total I (Ci)				1.6332E-18

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DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 504.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 504.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 504.0000	Ci	kg	Atoms	Bq
Kr-85	4.7853E+03	1.2197E-02	8.6414E+22	1.7706E+14
Kr-85m	7.1252E+04	8.6581E-02	6.1342E+23	2.6363E+15
Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88	1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6574E+09
I-131	2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132	3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133	5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133	5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134	1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11
Cs-136	3.7761E+00	5.1523E-08	2.2814E+17	1.3972E+11
Cs-137	6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

Environment Transport Group Inventory:

Time (h) = 504.0000	Total		Release Rate/s
	Release		
Noble gases (atoms)	7.1382E+23		3.9342E+17
Elemental I (atoms)	1.3570E+20		7.4792E+13
Organic I (atoms)	4.1970E+18		2.3132E+12
Aerosols (kg)	8.7291E-05		4.8110E-11
Dose Effective (Ci) I-131 (Thyroid)			4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			5.0784E+03
Total I (Ci)			2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 504.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

Normal Environment to TSC Transport Group Inventory:

Time (h) = 504.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14

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Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 504.0000		
Noble gases (atoms)	4.0642E+18	0.0000E+00
Elemental I (atoms)	7.5812E+14	0.0000E+00
Organic I (atoms)	2.3447E+13	0.0000E+00
Aerosols (kg)	4.9710E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 504.0000		
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 504.0000	Ci	kg	Atoms	Decay
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MVP Holdup Transport Group Inventory:

	Atmosphere	Sump	
Time (h) = 504.0000			
Noble gases (atoms)	1.4434E+02	0.0000E+00	
Elemental I (atoms)	3.5688E-03	0.0000E+00	
Organic I (atoms)	1.1037E-04	0.0000E+00	
Aerosols (kg)	1.8044E-26	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		1.1124E-27
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		1.1124E-27
Total I (Ci)			9.9221E-20

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 504.0000		
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 504.0000		
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

Detailed model information at time (H) = 528.0000

CRDA @ EAB - Condenser Release Doses:

	Whole Body	Thyroid	TEDE
Time (h) = 528.0000			
Delta dose (rem)	3.4618E-46	1.8259E-44	9.3206E-46
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

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Time (h) = 528.0000 whole Body Thyroid TEDE
 Delta dose (rem) 3.7229E-46 1.9637E-44 1.0024E-45
 Accumulated dose (rem) 2.2897E+00 3.2880E+01 3.3335E+00

TSC Doses:

Time (h) = 528.0000 whole Body Thyroid TEDE
 Delta dose (rem) 2.3769E-49 5.1089E-46 1.6631E-47
 Accumulated dose (rem) 3.7835E-02 2.0002E+01 6.6960E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 528.0000 Ci kg Atoms Decay

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 528.0000 Atmosphere Sump
 Noble gases (atoms) 2.3748E+03 0.0000E+00
 Elemental I (atoms) 5.3891E-02 0.0000E+00
 Organic I (atoms) 1.6667E-03 0.0000E+00
 Aerosols (kg) 2.9695E-25 0.0000E+00
 Dose Effective (Ci/cc) I-131 (Thyroid) 9.6204E-28
 Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid) 9.6204E-28
 Total I (Ci) 1.4983E-18

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 528.0000 Leakage Transport

Noble gases (atoms) 1.5145E+00
 Elemental I (atoms) 2.8869E-04
 Organic I (atoms) 8.9284E-06
 Aerosols (kg) 1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 528.0000 Pathway
 Filtered Transported
 Noble gases (atoms) 0.0000E+00 7.1376E+23
 Elemental I (atoms) 0.0000E+00 1.3605E+20
 Organic I (atoms) 0.0000E+00 4.2077E+18
 Aerosols (kg) 0.0000E+00 8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 528.0000 Ci kg Atoms Bq
 Kr-85 4.7853E+03 1.2197E-02 8.6414E+22 1.7706E+14
 Kr-85m 7.1252E+04 8.6581E-02 6.1342E+23 2.6363E+15
 Kr-87 1.0150E+05 3.5832E-06 2.4803E+19 3.7553E+15
 Kr-88 1.6616E+05 1.3251E-05 9.0684E+19 6.1480E+15
 Rb-86 1.2587E-01 1.5470E-09 1.0833E+16 4.6574E+09
 I-131 2.9169E+03 2.3528E-05 1.0816E+20 1.0792E+14
 I-132 3.5532E+03 3.4423E-07 1.5704E+18 1.3147E+14
 I-133 5.7294E+03 5.0577E-06 2.2901E+19 2.1199E+14
 I-134 4.2846E+03 1.6061E-07 7.2180E+17 1.5853E+14
 I-135 5.1546E+03 1.4678E-06 6.5475E+18 1.9072E+14
 Xe-133 5.5941E+05 2.9886E-03 1.3532E+22 2.0698E+16
 Xe-135 1.9422E+05 7.6055E-05 3.3927E+20 7.1862E+15
 Cs-134 1.3585E+01 1.0500E-05 4.7189E+19 5.0266E+11
 Cs-136 3.7761E+00 5.1523E-08 2.2814E+17 1.3972E+11
 Cs-137 6.6748E+00 7.6738E-05 3.3732E+20 2.4697E+11

Environment Transport Group Inventory:

Total Release
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Time (h) = 528.0000	Release	Rate/s	
Noble gases (atoms)	7.1382E+23	3.7554E+17	
Elemental I (atoms)	1.3570E+20	7.1392E+13	
Organic I (atoms)	4.1970E+18	2.2080E+12	
Aerosols (kg)	8.7291E-05	4.5924E-11	
Dose Effective (Ci) I-131 (Thyroid)			4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			5.0784E+03
Total I (Ci)			2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 528.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

Normal Environment to TSC Transport Group Inventory:

Time (h) = 528.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 528.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	4.0642E+18	0.0000E+00
Elemental I (atoms)	7.5812E+14	0.0000E+00
Organic I (atoms)	2.3447E+13	0.0000E+00
Aerosols (kg)	4.9710E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 528.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 528.0000	Ci	kg	Atoms	Decay
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MVP Holdup Transport Group Inventory:

Time (h) = 528.0000	Atmosphere	Sump	
Noble gases (atoms)	1.4427E+02	0.0000E+00	
Elemental I (atoms)	3.2740E-03	0.0000E+00	
Organic I (atoms)	1.0126E-04	0.0000E+00	
Aerosols (kg)	1.8041E-26	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			1.0205E-27
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			1.0205E-27
Total I (Ci)			9.1025E-20

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 528.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23

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Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 528.0000		
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

Detailed model information at time (H) = 552.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 552.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.4193E-46	1.6753E-44	8.8192E-46
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 552.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.6772E-46	1.8017E-44	9.4845E-46
Accumulated dose (rem)	2.2897E+00	3.2880E+01	3.3335E+00

TSC Doses:

Time (h) = 552.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	2.3477E-49	4.6875E-46	1.5344E-47
Accumulated dose (rem)	3.7835E-02	2.0002E+01	6.6960E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 552.0000	Ci	kg	Atoms	Decay
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DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 552.0000	Atmosphere	Sump	
Noble gases (atoms)	2.3736E+03	0.0000E+00	
Elemental I (atoms)	4.9440E-02	0.0000E+00	
Organic I (atoms)	1.5291E-03	0.0000E+00	
Aerosols (kg)	2.9690E-25	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		8.8257E-28
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		8.8257E-28
Total I (Ci)			1.3745E-18

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 552.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 552.0000		
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

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Environment Integral Nuclide Release:

Time (h) = 552.0000	Ci	kg	Atoms	Bq
Kr-85	4.7853E+03	1.2197E-02	8.6414E+22	1.7706E+14
Kr-85m	7.1252E+04	8.6581E-02	6.1342E+23	2.6363E+15
Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88	1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6574E+09
I-131	2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132	3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133	5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133	5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134	1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11
Cs-136	3.7761E+00	5.1523E-08	2.2814E+17	1.3972E+11
Cs-137	6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

Environment Transport Group Inventory:

Time (h) = 552.0000	Total Release	Release Rate/s	
Noble gases (atoms)	7.1382E+23	3.5921E+17	
Elemental I (atoms)	1.3570E+20	6.8288E+13	
Organic I (atoms)	4.1970E+18	2.1120E+12	
Aerosols (kg)	8.7291E-05	4.3927E-11	
Dose Effective (Ci) I-131 (Thyroid)			4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			5.0784E+03
Total I (Ci)			2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 552.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

Normal Environment to TSC Transport Group Inventory:

Time (h) = 552.0000	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 552.0000	Pathway Filtered	Transported
Noble gases (atoms)	4.0642E+18	0.0000E+00
Elemental I (atoms)	7.5812E+14	0.0000E+00
Organic I (atoms)	2.3447E+13	0.0000E+00
Aerosols (kg)	4.9710E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 552.0000	Pathway Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23

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Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 552.0000	Ci	kg	Atoms	Decay
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MVP Holdup Transport Group Inventory:

Time (h) = 552.0000	Atmosphere	Sump	
Noble gases (atoms)	1.4420E+02	0.0000E+00	
Elemental I (atoms)	3.0036E-03	0.0000E+00	
Organic I (atoms)	9.2894E-05	0.0000E+00	
Aerosols (kg)	1.8037E-26	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		9.3619E-28
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		9.3619E-28
Total I (Ci)			8.3506E-20

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 552.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 552.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

Detailed model information at time (H) = 576.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 576.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.3817E-46	1.5372E-44	8.3607E-46
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 576.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.6368E-46	1.6531E-44	8.9913E-46
Accumulated dose (rem)	2.2897E+00	3.2880E+01	3.3335E+00

TSC Doses:

Time (h) = 576.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	2.3219E-49	4.3009E-46	1.4163E-47
Accumulated dose (rem)	3.7835E-02	2.0002E+01	6.6960E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 576.0000	Ci	kg	Atoms	Decay
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DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 576.0000	Atmosphere	Sump
Noble gases (atoms)	2.3725E+03	0.0000E+00

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Elemental I (atoms)	4.5356E-02	0.0000E+00	
Organic I (atoms)	1.4028E-03	0.0000E+00	
Aerosols (kg)	2.9685E-25	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			8.0967E-28
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			8.0967E-28
Total I (Ci)			1.2610E-18

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 576.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 576.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 576.0000	Ci	kg	Atoms	Bq
Kr-85	4.7853E+03	1.2197E-02	8.6414E+22	1.7706E+14
Kr-85m	7.1252E+04	8.6581E-02	6.1342E+23	2.6363E+15
Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88	1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6574E+09
I-131	2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132	3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133	5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133	5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134	1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11
Cs-136	3.7761E+00	5.1523E-08	2.2814E+17	1.3972E+11
Cs-137	6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

Environment Transport Group Inventory:

	Total	Release	
Time (h) = 576.0000	Release	Rate/s	
Noble gases (atoms)	7.1382E+23	3.4424E+17	
Elemental I (atoms)	1.3570E+20	6.5443E+13	
Organic I (atoms)	4.1970E+18	2.0240E+12	
Aerosols (kg)	8.7291E-05	4.2097E-11	
Dose Effective (Ci) I-131 (Thyroid)			4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			5.0784E+03
Total I (Ci)			2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 576.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

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Normal Environment to TSC Transport Group Inventory:

Time (h) = 576.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 576.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	4.0642E+18	0.0000E+00
Elemental I (atoms)	7.5812E+14	0.0000E+00
Organic I (atoms)	2.3447E+13	0.0000E+00
Aerosols (kg)	4.9710E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 576.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 576.0000	Ci	kg	Atoms	Decay
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MVP Holdup Transport Group Inventory:

Time (h) = 576.0000	Atmosphere	Sump		
Noble gases (atoms)	1.4414E+02	0.0000E+00		
Elemental I (atoms)	2.7555E-03	0.0000E+00		
Organic I (atoms)	8.5221E-05	0.0000E+00		
Aerosols (kg)	1.8034E-26	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)		8.5886E-28	
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		8.5886E-28	
Total I (Ci)			7.6609E-20	

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 576.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 576.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

Detailed model information at time (H) = 600.0000

CRDA @ EAB - Condenser Release Doses:

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Time (h) = 600.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.3485E-46	1.4104E-44	7.9412E-46
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 600.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.6010E-46	1.5168E-44	8.5402E-46
Accumulated dose (rem)	2.2897E+00	3.2880E+01	3.3335E+00

TSC Doses:

Time (h) = 600.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	2.2991E-49	3.9463E-46	1.3080E-47
Accumulated dose (rem)	3.7835E-02	2.0002E+01	6.6960E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 600.0000	Ci	kg	Atoms	Decay
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DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 600.0000	Atmosphere	Sump	
Noble gases (atoms)	2.3715E+03	0.0000E+00	
Elemental I (atoms)	4.1610E-02	0.0000E+00	
Organic I (atoms)	1.2869E-03	0.0000E+00	
Aerosols (kg)	2.9680E-25	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		7.4279E-28
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		7.4279E-28
Total I (Ci)			1.1568E-18

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 600.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 600.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 600.0000	Ci	kg	Atoms	Bq
Kr-85	4.7853E+03	1.2197E-02	8.6414E+22	1.7706E+14
Kr-85m	7.1252E+04	8.6581E-02	6.1342E+23	2.6363E+15
Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88	1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6574E+09
I-131	2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132	3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133	5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133	5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134	1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11

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Cs-136 3.7761E+00 5.1523E-08 2.2814E+17 1.3972E+11
 Cs-137 6.6748E+00 7.6738E-05 3.3732E+20 2.4697E+11

Environment Transport Group Inventory:

	Total	Release	
Time (h) = 600.0000	Release	Rate/s	
Noble gases (atoms)	7.1382E+23	3.3047E+17	
Elemental I (atoms)	1.3570E+20	6.2825E+13	
Organic I (atoms)	4.1970E+18	1.9431E+12	
Aerosols (kg)	8.7291E-05	4.0413E-11	
Dose Effective (Ci) I-131 (Thyroid)			4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			5.0784E+03
Total I (Ci)			2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 600.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

Normal Environment to TSC Transport Group Inventory:

	Pathway	
Time (h) = 600.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway	
Time (h) = 600.0000	Filtered	Transported
Noble gases (atoms)	4.0642E+18	0.0000E+00
Elemental I (atoms)	7.5812E+14	0.0000E+00
Organic I (atoms)	2.3447E+13	0.0000E+00
Aerosols (kg)	4.9710E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 600.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 600.0000	Ci	kg	Atoms	Decay
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MVP Holdup Transport Group Inventory:

Time (h) = 600.0000	Atmosphere	Sump	
Noble gases (atoms)	1.4407E+02	0.0000E+00	
Elemental I (atoms)	2.5279E-03	0.0000E+00	
Organic I (atoms)	7.8182E-05	0.0000E+00	
Aerosols (kg)	1.8031E-26	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			7.8792E-28
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			7.8792E-28
Total I (Ci)			7.0281E-20

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DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 600.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 600.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

Detailed model information at time (H) = 624.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 624.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.3191E-46	1.2941E-44	7.5574E-46
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 624.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.5694E-46	1.3918E-44	8.1275E-46
Accumulated dose (rem)	2.2897E+00	3.2880E+01	3.3335E+00

TSC Doses:

Time (h) = 624.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	2.2789E-49	3.6210E-46	1.2087E-47
Accumulated dose (rem)	3.7835E-02	2.0002E+01	6.6960E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 624.0000	Ci	kg	Atoms	Decay
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DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 624.0000	Atmosphere	Sump
Noble gases (atoms)	2.3704E+03	0.0000E+00
Elemental I (atoms)	3.8173E-02	0.0000E+00
Organic I (atoms)	1.1806E-03	0.0000E+00
Aerosols (kg)	2.9675E-25	0.0000E+00
Dose Effective (Ci/cc) I-131 (Thyroid)		6.8144E-28
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)		6.8144E-28
Total I (Ci)		1.0613E-18

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 624.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

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Time (h) = 624.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 624.0000	Ci	kg	Atoms	Bq
Kr-85	4.7853E+03	1.2197E-02	8.6414E+22	1.7706E+14
Kr-85m	7.1252E+04	8.6581E-02	6.1342E+23	2.6363E+15
Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88	1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6574E+09
I-131	2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132	3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133	5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133	5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134	1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11
Cs-136	3.7761E+00	5.1523E-08	2.2814E+17	1.3972E+11
Cs-137	6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

Environment Transport Group Inventory:

Time (h) = 624.0000	Total Release	
	Release	Rate/s
Noble gases (atoms)	7.1382E+23	3.1776E+17
Elemental I (atoms)	1.3570E+20	6.0409E+13
Organic I (atoms)	4.1970E+18	1.8683E+12
Aerosols (kg)	8.7291E-05	3.8858E-11
Dose Effective (Ci) I-131 (Thyroid)		4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		5.0784E+03
Total I (Ci)		2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 624.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

Normal Environment to TSC Transport Group Inventory:

Time (h) = 624.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 624.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	4.0642E+18	0.0000E+00
Elemental I (atoms)	7.5812E+14	0.0000E+00
Organic I (atoms)	2.3447E+13	0.0000E+00
Aerosols (kg)	4.9710E-10	0.0000E+00

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MVP Holdup to Environment Transport Group Inventory:

Time (h) = 624.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 624.0000	Ci	kg	Atoms	Decay
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MVP Holdup Transport Group Inventory:

Time (h) = 624.0000	Atmosphere	Sump		
Noble gases (atoms)	1.4401E+02	0.0000E+00		
Elemental I (atoms)	2.3191E-03	0.0000E+00		
Organic I (atoms)	7.1724E-05	0.0000E+00		
Aerosols (kg)	1.8028E-26	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)			7.2284E-28
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)			7.2284E-28
Total I (Ci)				6.4476E-20

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 624.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 624.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

Detailed model information at time (H) = 648.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 648.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	3.2930E-46	1.1875E-44	7.2063E-46
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 648.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	3.5414E-46	1.2770E-44	7.7499E-46
Accumulated dose (rem)	2.2897E+00	3.2880E+01	3.3335E+00

TSC Doses:

Time (h) = 648.0000	whole Body	Thyroid	TEDE
Delta dose (rem)	2.2611E-49	3.3225E-46	1.1175E-47
Accumulated dose (rem)	3.7835E-02	2.0002E+01	6.6960E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

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Time (h) = 648.0000 Ci kg Atoms Decay

DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 648.0000	Atmosphere	Sump		
Noble gases (atoms)	2.3694E+03	0.0000E+00		
Elemental I (atoms)	3.5019E-02	0.0000E+00		
Organic I (atoms)	1.0831E-03	0.0000E+00		
Aerosols (kg)	2.9670E-25	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)		6.2515E-28	
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		6.2515E-28	
Total I (Ci)			9.7363E-19	

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 648.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 648.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 648.0000	Ci	kg	Atoms	Bq
Kr-85	4.7853E+03	1.2197E-02	8.6414E+22	1.7706E+14
Kr-85m	7.1252E+04	8.6581E-02	6.1342E+23	2.6363E+15
Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88	1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6574E+09
I-131	2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132	3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133	5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133	5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134	1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11
Cs-136	3.7761E+00	5.1523E-08	2.2814E+17	1.3972E+11
Cs-137	6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

Environment Transport Group Inventory:

	Total	Release	
Time (h) = 648.0000	Release	Rate/s	
Noble gases (atoms)	7.1382E+23	3.0599E+17	
Elemental I (atoms)	1.3570E+20	5.8172E+13	
Organic I (atoms)	4.1970E+18	1.7991E+12	
Aerosols (kg)	8.7291E-05	3.7419E-11	
Dose Effective (Ci)	I-131 (Thyroid)		4.0452E+03
Dose Effective (Ci)	I-131 (ICRP2 Thyroid)		5.0784E+03
Total I (Ci)			2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 648.0000 Leakage Transport

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Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

Normal Environment to TSC Transport Group Inventory:

Time (h) = 648.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 648.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	4.0642E+18	0.0000E+00
Elemental I (atoms)	7.5812E+14	0.0000E+00
Organic I (atoms)	2.3447E+13	0.0000E+00
Aerosols (kg)	4.9710E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 648.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 648.0000	Ci	kg	Atoms	Decay
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MVP Holdup Transport Group Inventory:

Time (h) = 648.0000	Atmosphere	Sump		
Noble gases (atoms)	1.4395E+02	0.0000E+00		
Elemental I (atoms)	2.1275E-03	0.0000E+00		
Organic I (atoms)	6.5799E-05	0.0000E+00		
Aerosols (kg)	1.8025E-26	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)		6.6313E-28	
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		6.6313E-28	
Total I (Ci)			5.9150E-20	

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 648.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 648.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18

Aerosols (kg) 0.0000E+00 9.0389E-05

Detailed model information at time (H) = 672.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 672.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.2700E-46	1.0896E-44	6.8849E-46
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 672.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.5166E-46	1.1718E-44	7.4043E-46
Accumulated dose (rem)	2.2897E+00	3.2880E+01	3.3335E+00

TSC Doses:

Time (h) = 672.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	2.2452E-49	3.0487E-46	1.0339E-47
Accumulated dose (rem)	3.7835E-02	2.0002E+01	6.6960E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 672.0000	Ci	kg	Atoms	Decay
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DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 672.0000	Atmosphere	Sump	
Noble gases (atoms)	2.3684E+03	0.0000E+00	
Elemental I (atoms)	3.2127E-02	0.0000E+00	
Organic I (atoms)	9.9361E-04	0.0000E+00	
Aerosols (kg)	2.9665E-25	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		5.7351E-28
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		5.7351E-28
Total I (Ci)			8.9320E-19

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 672.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 672.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 672.0000	Ci	kg	Atoms	Bq
Kr-85	4.7853E+03	1.2197E-02	8.6414E+22	1.7706E+14
Kr-85m	7.1252E+04	8.6581E-02	6.1342E+23	2.6363E+15
Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88	1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6574E+09
I-131	2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132	3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14

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I-133	5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133	5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134	1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11
Cs-136	3.7761E+00	5.1523E-08	2.2814E+17	1.3972E+11
Cs-137	6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

Environment Transport Group Inventory:

	Total Release	Release Rate/s	
Time (h) = 672.0000			
Noble gases (atoms)	7.1382E+23	2.9506E+17	
Elemental I (atoms)	1.3570E+20	5.6094E+13	
Organic I (atoms)	4.1970E+18	1.7349E+12	
Aerosols (kg)	8.7291E-05	3.6083E-11	
Dose Effective (Ci) I-131 (Thyroid)			4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)			5.0784E+03
Total I (Ci)			2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 672.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

Normal Environment to TSC Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 672.0000		
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 672.0000		
Noble gases (atoms)	4.0642E+18	0.0000E+00
Elemental I (atoms)	7.5812E+14	0.0000E+00
Organic I (atoms)	2.3447E+13	0.0000E+00
Aerosols (kg)	4.9710E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway Filtered	Transported
Time (h) = 672.0000		
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 672.0000	ci	kg	Atoms	Decay
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MVP Holdup Transport Group Inventory:

Time (h) = 672.0000	Atmosphere	Sump
Noble gases (atoms)	1.4389E+02	0.0000E+00

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Elemental I (atoms)	1.9518E-03	0.0000E+00	
Organic I (atoms)	6.0364E-05	0.0000E+00	
Aerosols (kg)	1.8022E-26	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			6.0835E-28
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			6.0835E-28
Total I (Ci)			5.4264E-20

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
Time (h) = 672.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
Time (h) = 672.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

Detailed model information at time (H) = 696.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 696.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.2495E-46	9.9983E-45	6.5908E-46
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 696.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.4946E-46	1.0752E-44	7.0880E-46
Accumulated dose (rem)	2.2897E+00	3.2880E+01	3.3335E+00

TSC Doses:

Time (h) = 696.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	2.2312E-49	2.7975E-46	9.5720E-48
Accumulated dose (rem)	3.7835E-02	2.0002E+01	6.6960E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 696.0000	Ci	kg	Atoms	Decay
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DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 696.0000	Atmosphere	Sump	
Noble gases (atoms)	2.3675E+03	0.0000E+00	
Elemental I (atoms)	2.9473E-02	0.0000E+00	
Organic I (atoms)	9.1154E-04	0.0000E+00	
Aerosols (kg)	2.9659E-25	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			5.2614E-28
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			5.2614E-28
Total I (Ci)			8.1942E-19

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 696.0000 Leakage Transport

Noble gases (atoms) 1.5145E+00

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Elemental I (atoms) 2.8869E-04
 Organic I (atoms) 8.9284E-06
 Aerosols (kg) 1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 696.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 696.0000	Ci	kg	Atoms	Bq
Kr-85	4.7853E+03	1.2197E-02	8.6414E+22	1.7706E+14
Kr-85m	7.1252E+04	8.6581E-02	6.1342E+23	2.6363E+15
Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88	1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6574E+09
I-131	2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132	3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133	5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133	5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134	1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11
Cs-136	3.7761E+00	5.1523E-08	2.2814E+17	1.3972E+11
Cs-137	6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

Environment Transport Group Inventory:

Time (h) = 696.0000	Total Release	Release Rate/s
Noble gases (atoms)	7.1382E+23	2.8489E+17
Elemental I (atoms)	1.3570E+20	5.4160E+13
Organic I (atoms)	4.1970E+18	1.6750E+12
Aerosols (kg)	8.7291E-05	3.4839E-11
Dose Effective (Ci) I-131 (Thyroid)		4.0452E+03
Dose Effective (Ci) I-131 (ICRP2 Thyroid)		5.0784E+03
Total I (Ci)		2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:

Time (h) = 696.0000 Leakage Transport

Noble gases (atoms) 1.5145E+00
 Elemental I (atoms) 2.8869E-04
 Organic I (atoms) 8.9284E-06
 Aerosols (kg) 1.8521E-28

Normal Environment to TSC Transport Group Inventory:

Time (h) = 696.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

CRDA GAP MVP TSC.o0

	Pathway	
	Filtered	Transported
Time (h) = 696.0000		
Noble gases (atoms)	4.0642E+18	0.0000E+00
Elemental I (atoms)	7.5812E+14	0.0000E+00
Organic I (atoms)	2.3447E+13	0.0000E+00
Aerosols (kg)	4.9710E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 696.0000		
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 696.0000	Ci	kg	Atoms	Decay
MVP Holdup Transport Group Inventory:				
Time (h) = 696.0000	Atmosphere	Sump		
Noble gases (atoms)	1.4383E+02	0.0000E+00		
Elemental I (atoms)	1.7906E-03	0.0000E+00		
Organic I (atoms)	5.5378E-05	0.0000E+00		
Aerosols (kg)	1.8019E-26	0.0000E+00		
Dose Effective (Ci/cc)	I-131 (Thyroid)		5.5810E-28	
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		5.5810E-28	
Total I (Ci)			4.9782E-20	

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 696.0000		
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

	Pathway	
	Filtered	Transported
Time (h) = 696.0000		
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

Detailed model information at time (H) = 720.0000

CRDA @ EAB - Condenser Release Doses:

Time (h) = 720.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.2313E-46	9.1747E-45	6.3215E-46
Accumulated dose (rem)	4.8333E+00	6.8704E+01	7.0147E+00

CRDA @ LPZ - Condenser Release Doses:

Time (h) = 720.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	3.4751E-46	9.8667E-45	6.7984E-46
Accumulated dose (rem)	2.2897E+00	3.2880E+01	3.3335E+00

TSC Doses:

CRDA GAP MVP TSC.o0

Time (h) = 720.0000	Whole Body	Thyroid	TEDE
Delta dose (rem)	2.2187E-49	2.5670E-46	8.8682E-48
Accumulated dose (rem)	3.7835E-02	2.0002E+01	6.6960E-01

DAEC Condenser - CRDA Compartment Nuclide Inventory:

Time (h) = 720.0000	Ci	kg	Atoms	Decay
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DAEC Condenser - CRDA Transport Group Inventory:

Time (h) = 720.0000	Atmosphere	Sump	
Noble gases (atoms)	2.3665E+03	0.0000E+00	
Elemental I (atoms)	2.7039E-02	0.0000E+00	
Organic I (atoms)	8.3625E-04	0.0000E+00	
Aerosols (kg)	2.9654E-25	0.0000E+00	
Dose Effective (Ci/cc)	I-131 (Thyroid)		4.8268E-28
Dose Effective (Ci/cc)	I-131 (ICRP2 Thyroid)		4.8268E-28
Total I (Ci)			7.5174E-19

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
Time (h) = 720.0000 Leakage Transport

Noble gases (atoms)	1.5145E+00
Elemental I (atoms)	2.8869E-04
Organic I (atoms)	8.9284E-06
Aerosols (kg)	1.8521E-28

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 720.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

Environment Integral Nuclide Release:

Time (h) = 720.0000	Ci	kg	Atoms	Bq
Kr-85	4.7853E+03	1.2197E-02	8.6414E+22	1.7706E+14
Kr-85m	7.1252E+04	8.6581E-02	6.1342E+23	2.6363E+15
Kr-87	1.0150E+05	3.5832E-06	2.4803E+19	3.7553E+15
Kr-88	1.6616E+05	1.3251E-05	9.0684E+19	6.1480E+15
Rb-86	1.2587E-01	1.5470E-09	1.0833E+16	4.6574E+09
I-131	2.9169E+03	2.3528E-05	1.0816E+20	1.0792E+14
I-132	3.5532E+03	3.4423E-07	1.5704E+18	1.3147E+14
I-133	5.7294E+03	5.0577E-06	2.2901E+19	2.1199E+14
I-134	4.2846E+03	1.6061E-07	7.2180E+17	1.5853E+14
I-135	5.1546E+03	1.4678E-06	6.5475E+18	1.9072E+14
Xe-133	5.5941E+05	2.9886E-03	1.3532E+22	2.0698E+16
Xe-135	1.9422E+05	7.6055E-05	3.3927E+20	7.1862E+15
Cs-134	1.3585E+01	1.0500E-05	4.7189E+19	5.0266E+11
Cs-136	3.7761E+00	5.1523E-08	2.2814E+17	1.3972E+11
Cs-137	6.6748E+00	7.6738E-05	3.3732E+20	2.4697E+11

Environment Transport Group Inventory:

Time (h) = 720.0000	Total Release	Release Rate/s
Noble gases (atoms)	7.1382E+23	2.7539E+17
Elemental I (atoms)	1.3570E+20	5.2354E+13
Organic I (atoms)	4.1970E+18	1.6192E+12
Aerosols (kg)	8.7291E-05	3.3677E-11

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Dose Effective (Ci) I-131 (Thyroid) 4.0452E+03
 Dose Effective (Ci) I-131 (ICRP2 Thyroid) 5.0784E+03
 Total I (Ci) 2.1639E+04

DAEC Condenser to CRDA Environment - 24 Hour Conde Transport Group Inventory:
 Time (h) = 720.0000 Leakage Transport

Noble gases (atoms) 1.5145E+00
 Elemental I (atoms) 2.8869E-04
 Organic I (atoms) 8.9284E-06
 Aerosols (kg) 1.8521E-28

Normal Environment to TSC Transport Group Inventory:

Time (h) = 720.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	4.0684E+18
Elemental I (atoms)	0.0000E+00	7.7558E+14
Organic I (atoms)	0.0000E+00	2.3987E+13
Aerosols (kg)	0.0000E+00	4.9750E-10

Normal Return TSC to Environment Transport Group Inventory:

Time (h) = 720.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	4.0642E+18	0.0000E+00
Elemental I (atoms)	7.5812E+14	0.0000E+00
Organic I (atoms)	2.3447E+13	0.0000E+00
Aerosols (kg)	4.9710E-10	0.0000E+00

MVP Holdup to Environment Transport Group Inventory:

Time (h) = 720.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

MVP Holdup Compartment Nuclide Inventory:

Time (h) = 720.0000	Ci	kg	Atoms	Decay
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MVP Holdup Transport Group Inventory:

Time (h) = 720.0000	Pathway		
	Atmosphere	Sump	
Noble gases (atoms)	1.4377E+02	0.0000E+00	
Elemental I (atoms)	1.6427E-03	0.0000E+00	
Organic I (atoms)	5.0804E-05	0.0000E+00	
Aerosols (kg)	1.8016E-26	0.0000E+00	
Dose Effective (Ci/cc) I-131 (Thyroid)			5.1200E-28
Dose Effective (Ci/cc) I-131 (ICRP2 Thyroid)			5.1200E-28
Total I (Ci)			4.5670E-20

DAEC Condenser - CRDA to MVP Holdup Transport Group Inventory:

Time (h) = 720.0000	Pathway	
	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.1376E+23
Elemental I (atoms)	0.0000E+00	1.3605E+20
Organic I (atoms)	0.0000E+00	4.2077E+18
Aerosols (kg)	0.0000E+00	8.7282E-05

MVP Holdup to Environment Transport Group Inventory:

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	Pathway	
Time (h) = 720.0000	Filtered	Transported
Noble gases (atoms)	0.0000E+00	7.3917E+23
Elemental I (atoms)	0.0000E+00	1.4086E+20
Organic I (atoms)	0.0000E+00	4.3565E+18
Aerosols (kg)	0.0000E+00	9.0389E-05

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 I-131 Summary
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Time (hr)	DAEC Condenser - CRDA	Environment	TSC
	I-131 (Curies)	I-131 (Curies)	I-131 (Curies)
0.000	1.1693E+03	4.0315E-03	2.3457E-08
0.001	2.9191E+03	6.2401E-02	3.6302E-07
0.400	1.3326E+03	1.5062E+03	7.4558E-03
0.500	1.0946E+03	1.7581E+03	8.2942E-03
0.800	6.0666E+02	2.2747E+03	9.1797E-03
1.100	3.3623E+02	2.5609E+03	8.6989E-03
1.400	1.8635E+02	2.7196E+03	7.6668E-03
1.700	1.0328E+02	2.8075E+03	6.4915E-03
2.000	5.7242E+01	2.8563E+03	5.3647E-03
2.300	3.1725E+01	2.8833E+03	4.2296E-03
2.600	1.7583E+01	2.8983E+03	3.3341E-03
2.900	9.7453E+00	2.9066E+03	2.6279E-03
3.200	5.4012E+00	2.9112E+03	2.0711E-03
3.500	2.9935E+00	2.9137E+03	1.6322E-03
3.800	1.6591E+00	2.9151E+03	1.2863E-03
4.100	9.1953E-01	2.9159E+03	1.0137E-03
4.400	5.0964E-01	2.9163E+03	7.9880E-04
4.700	2.8246E-01	2.9166E+03	6.2946E-04
5.000	1.5655E-01	2.9167E+03	4.9602E-04
5.300	8.6764E-02	2.9168E+03	3.9087E-04
5.600	4.8087E-02	2.9168E+03	3.0801E-04
5.900	2.6652E-02	2.9168E+03	2.4271E-04
6.200	1.4771E-02	2.9169E+03	1.9125E-04
6.500	8.1867E-03	2.9169E+03	1.5071E-04
6.800	4.5374E-03	2.9169E+03	1.1876E-04
7.100	2.5148E-03	2.9169E+03	9.3579E-05
7.400	1.3938E-03	2.9169E+03	7.3740E-05
7.700	7.7247E-04	2.9169E+03	5.8106E-05
8.000	4.2813E-04	2.9169E+03	4.5787E-05
8.300	2.3728E-04	2.9169E+03	3.6080E-05
8.600	1.3151E-04	2.9169E+03	2.8431E-05
8.900	7.2888E-05	2.9169E+03	2.2403E-05
9.200	4.0397E-05	2.9169E+03	1.7654E-05
9.500	2.2389E-05	2.9169E+03	1.3911E-05
9.800	1.2409E-05	2.9169E+03	1.0962E-05
10.100	6.8775E-06	2.9169E+03	8.6378E-06
10.400	3.8117E-06	2.9169E+03	6.8065E-06
24.000	9.1595E-18	2.9169E+03	1.3865E-10
96.000	7.0721E-18	2.9169E+03	2.0288E-35
720.000	7.5174E-19	2.9169E+03	3.6516E-50

Time (hr)	MVP Holdup
	I-131 (Curies)
0.000	6.3390E-01
0.001	3.9174E+00
0.400	8.0955E+01
0.500	6.6498E+01

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0.800	3.6856E+01
1.100	2.0427E+01
1.400	1.1321E+01
1.700	6.2746E+00
2.000	3.4776E+00
2.300	1.9274E+00
2.600	1.0682E+00
2.900	5.9205E-01
3.200	3.2813E-01
3.500	1.8186E-01
3.800	1.0079E-01
4.100	5.5864E-02
4.400	3.0961E-02
4.700	1.7160E-02
5.000	9.5106E-03
5.300	5.2711E-03
5.600	2.9214E-03
5.900	1.6191E-03
6.200	8.9739E-04
6.500	4.9736E-04
6.800	2.7565E-04
7.100	1.5278E-04
7.400	8.4674E-05
7.700	4.6929E-05
8.000	2.6010E-05
8.300	1.4416E-05
8.600	7.9896E-06
8.900	4.4281E-06
9.200	2.4542E-06
9.500	1.3602E-06
9.800	7.5387E-07
10.100	4.1782E-07
10.400	2.3157E-07
24.000	5.5646E-19
96.000	4.2964E-19
720.000	4.5670E-20

 Cumulative Dose Summary
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Time (hr)	CRDA @ EAB - Condense		CRDA @ LPZ - Condense		TSC	
	Thyroid (rem)	TEDE (rem)	Thyroid (rem)	TEDE (rem)	Thyroid (rem)	TEDE (rem)
0.000	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.001	2.2990E-03	2.4416E-04	1.0301E-03	1.0940E-04	1.3754E-07	4.7480E-09
0.400	5.5403E+01	5.7338E+00	2.4825E+01	2.5692E+00	1.6082E+00	5.5220E-02
0.500	6.4637E+01	6.6452E+00	2.8963E+01	2.9776E+00	2.3724E+00	8.1337E-02
0.800	6.6504E+01	6.8236E+00	3.0760E+01	3.1493E+00	4.9513E+00	1.6908E-01
1.100	6.7535E+01	6.9173E+00	3.1752E+01	3.2395E+00	7.5552E+00	2.5714E-01
1.400	6.8104E+01	6.9667E+00	3.2300E+01	3.2870E+00	9.9194E+00	3.3664E-01
1.700	6.8419E+01	6.9928E+00	3.2603E+01	3.3121E+00	1.1952E+01	4.0466E-01
2.000	6.8592E+01	7.0065E+00	3.2770E+01	3.3254E+00	1.3646E+01	4.6108E-01
2.300	6.8642E+01	7.0103E+00	3.2819E+01	3.3292E+00	1.5008E+01	5.0626E-01
2.600	6.8670E+01	7.0124E+00	3.2846E+01	3.3312E+00	1.6079E+01	5.4161E-01
2.900	6.8685E+01	7.0134E+00	3.2862E+01	3.3322E+00	1.6919E+01	5.6930E-01
3.200	6.8693E+01	7.0140E+00	3.2870E+01	3.3328E+00	1.7580E+01	5.9098E-01
3.500	6.8698E+01	7.0143E+00	3.2874E+01	3.3331E+00	1.8099E+01	6.0796E-01
3.800	6.8701E+01	7.0145E+00	3.2877E+01	3.3333E+00	1.8507E+01	6.2126E-01
4.100	6.8702E+01	7.0146E+00	3.2878E+01	3.3334E+00	1.8827E+01	6.3169E-01
4.400	6.8703E+01	7.0146E+00	3.2879E+01	3.3334E+00	1.9079E+01	6.3986E-01
4.700	6.8703E+01	7.0146E+00	3.2880E+01	3.3334E+00	1.9276E+01	6.4626E-01
5.000	6.8703E+01	7.0147E+00	3.2880E+01	3.3334E+00	1.9432E+01	6.5129E-01

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5.300	6.8704E+01	7.0147E+00	3.2880E+01	3.3335E+00	1.9554E+01	6.5523E-01
5.600	6.8704E+01	7.0147E+00	3.2880E+01	3.3335E+00	1.9650E+01	6.5832E-01
5.900	6.8704E+01	7.0147E+00	3.2880E+01	3.3335E+00	1.9725E+01	6.6074E-01
6.200	6.8704E+01	7.0147E+00	3.2880E+01	3.3335E+00	1.9784E+01	6.6265E-01
6.500	6.8704E+01	7.0147E+00	3.2880E+01	3.3335E+00	1.9831E+01	6.6414E-01
6.800	6.8704E+01	7.0147E+00	3.2880E+01	3.3335E+00	1.9868E+01	6.6531E-01
7.100	6.8704E+01	7.0147E+00	3.2880E+01	3.3335E+00	1.9896E+01	6.6623E-01
7.400	6.8704E+01	7.0147E+00	3.2880E+01	3.3335E+00	1.9919E+01	6.6695E-01
7.700	6.8704E+01	7.0147E+00	3.2880E+01	3.3335E+00	1.9937E+01	6.6752E-01
8.000	6.8704E+01	7.0147E+00	3.2880E+01	3.3335E+00	1.9951E+01	6.6797E-01
8.300	6.8704E+01	7.0147E+00	3.2880E+01	3.3335E+00	1.9962E+01	6.6832E-01
8.600	6.8704E+01	7.0147E+00	3.2880E+01	3.3335E+00	1.9970E+01	6.6859E-01
8.900	6.8704E+01	7.0147E+00	3.2880E+01	3.3335E+00	1.9977E+01	6.6881E-01
9.200	6.8704E+01	7.0147E+00	3.2880E+01	3.3335E+00	1.9982E+01	6.6898E-01
9.500	6.8704E+01	7.0147E+00	3.2880E+01	3.3335E+00	1.9987E+01	6.6911E-01
9.800	6.8704E+01	7.0147E+00	3.2880E+01	3.3335E+00	1.9990E+01	6.6921E-01
10.100	6.8704E+01	7.0147E+00	3.2880E+01	3.3335E+00	1.9992E+01	6.6930E-01
10.400	6.8704E+01	7.0147E+00	3.2880E+01	3.3335E+00	1.9995E+01	6.6936E-01
24.000	6.8704E+01	7.0147E+00	3.2880E+01	3.3335E+00	2.0002E+01	6.6960E-01
96.000	6.8704E+01	7.0147E+00	3.2880E+01	3.3335E+00	2.0002E+01	6.6960E-01
720.000	6.8704E+01	7.0147E+00	3.2880E+01	3.3335E+00	2.0002E+01	6.6960E-01

Worst Two-Hour Doses
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