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 WASHINGTON, D.C. 20555
 DATE OF RUN: 29-Apr-2005
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1 GGNS ESP Site Boundary - Noble Gases

0 JOB CONTROL PARAMETERS

JC(1) = 1 : POPULATION/INDIVIDUAL DOSE SELECTION
 JC(2) = 1 : NUMBER OF SOURCE RELEASE POINTS
 JC(3) = 1 : PRINT CONTROL FOR DOSE ACCUMULATION
 JC(4) = 0 : READ CONTROL FOR BLOCK DATA CHANGE RECORDS
 JC(5) = 0 : PRINT CONTROL FOR DOSE FACTOR TABLE
 JC(6) = 0 : CALCULATION CONTROL FOR UNIT DOSE FACTORS
 JC(7) = 0 : READ CONTROL FOR DISPERSION DATA INPUT FILE
 JC(8) = 0
 JC(9) = 0
 JC(10) = 0

0 EXPOSURE PATHWAY FRACTIONS

PARAMETER	DESCRIPTION (FRACTION)	VALUE
FV	LEAFY VEGETABLE FROM GARDEN	1.00
FG	OTHER EDIBLES FROM GARDEN	.76
FP	TIME MILK COWS ON PASTURE	1.00
FB	TIME BEEF ON PASTURE	1.00
FGT	TIME MILK GOATS ON PASTURE	1.00
FPF	MILK COW INTAKE FROM PASTURE	1.00
FBF	BEEF INTAKE FROM PASTURE	1.00
FPG	MILK GOAT INTAKE FROM PASTURE	1.00

HUMIDITY (G/M**3) 8.00

0 SOURCE TERM RELEASE NUMBER 1

RELEASE POINT Noble Gas Composite Source
 UML = 1.00E+00 SOURCE TERM MULTIPLICATION FACTOR

JC1 = 0 NEW OR PREVIOUS MET DATA PARAMETER
 JC2 = 0 NEW OR PREVIOUS SOURCE TERM RELEASE DATA PARAMETER

0	NUCLIDE	CI/YR	NUCLIDE	CI/YR
	36KR 83M	1.68E-03	54XE131M	3.60E+03
	36KR 85M	7.20E+01	54XE133M	1.74E+02
	36KR 85	8.20E+03	54XE133	9.20E+03
	36KR 87	5.03E+01	54XE135M	8.11E+02
	36KR 88	9.20E+01	54XE135	9.19E+02
	36KR 89	4.81E+02	54XE137	1.03E+03
	54XE138	8.65E+02		

2.549E+04 TOTAL CURIES FOR 13 RADIONUCLIDES

GGNS ESP Site Boundary - Noble Gases

0	JS SPECIAL LOCATION	DIR MILES	X/Q	X/Q:DEC	X/Q:DCDP	DEPOSITE	REPORT CONTROL FLAGS
---	---	---	---	---	---	---	PL GD VT MT CM GM IN
0	Site Boundary	N .58	3.90E-06	3.90E-06	3.50E-06	1.20E-08	0 1 1 1 1 1 0

REPORTS ARE NOT PRINTED IF JS=1 OR CONTROL FLAGS=1

FLAGS: PL - PLUME
 GD - GROUND
 VT - VEGETABLE
 MT - MEAT
 CM - COW MILK
 GM - GOAT MILK
 IN - INHALATION

GGNS ESP Site Boundary - Noble Gases
 SPECIAL LOCATION NO. 1 Site Boundary
 AT .58 MILES N

ANNUAL BETA AIR DOSE = 6.92E+00 MILLIRADS
 ANNUAL GAMMA AIR DOSE = 3.48E+00 MILLIRADS

PATHWAY	T.BODY	GI-TRACT	BONE	LIVER	KIDNEY	THYROID	LUNG	SKIN
PLUME	: 2.27E+00	: 2.27E+00	: 2.27E+00	: 2.27E+00	: 2.27E+00	: 2.27E+00	: 2.34E+00	: 7.62E+00

XE135	:	1.44E-01	:	1.44E-01	:	1.44E-01	:	1.44E-01	:	1.47E-01	:	3.81E-01	:
	:	6.34%	:	6.34%	:	6.34%	:	6.34%	:	6.28%	:	5.00%	:
XE137	:	1.27E-01	:	1.27E-01	:	1.27E-01	:	1.27E-01	:	1.42E-01	:	1.70E+00	:
	:	5.58%	:	5.58%	:	5.58%	:	5.58%	:	6.08%	:	22.34%	:
XE138	:	6.61E-01	:	6.61E-01	:	6.61E-01	:	6.61E-01	:	6.66E-01	:	1.21E+00	:
	:	29.13%	:	29.13%	:	29.13%	:	29.13%	:	28.50%	:	15.84%	:
TOTAL	:	2.27E+00	:	2.27E+00	:	2.27E+00	:	2.27E+00	:	2.34E+00	:	7.62E+00	: