

Dose Conversion Factor (and Related) Parameter Summary  
File: FGR 13 Morbidity

Menu	Parameter	Current Value	Default	Parameter Name
<hr/>				
B-1	Dose conversion factors for inhalation, mrem/pCi:			
B-1	Ni-59	2.700E-06	2.700E-06	DCF2( 1)
D-1	Dose conversion factors for ingestion, mrem/pCi:			
D-1	Ni-59	2.100E-07	2.100E-07	DCF3( 1)
D-34	Food transfer factors:			
D-34	Ni-59 , plant/soil concentration ratio, dimensionless	5.000E-02	5.000E-02	RTF( 1,1)
D-34	Ni-59 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	5.000E-03	5.000E-03	RTF( 1,2)
D-34	Ni-59 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	2.000E-02	2.000E-02	RTF( 1,3)
D-5	Bioaccumulation factors, fresh water, L/kg:			
D-5	Ni-59 , fish	1.000E+02	1.000E+02	BIOFAC( 1,1)
D-5	Ni-59 , crustacea and mollusks	1.000E+02	1.000E+02	BIOFAC( 1,2)
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RESRAD, Version 6.21      T« Limit = 0.5 year      05/21/2003    12:08    Page 3				
Summary : Yankee Rowe Sensitivity Analysis=soil		File: NI-59.RAD		

### Site-Specific Parameter Summary

Parameter Menu input)	Name	Parameter	User Input	Default	(If different from user	Used by RESRAD
<hr/>						
R011	Area of contaminated zone (m**2)	AREA	1.302E+04	1.000E+04	---	
R011	Thickness of contaminated zone (m)	THICK0	1.575E+00	2.000E+00	---	
R011	Length parallel to aquifer flow (m)	LCPAQ	1.290E+02	1.000E+02	---	
R011	Basic radiation dose limit (mrem/yr)	BRDL	2.500E+01	2.500E+01	---	
R011	Time since placement of material (yr)	TI	0.000E+00	0.000E+00	---	
R011	Times for calculations (yr)	T( 2)	1.000E+00	1.000E+00	---	
R011	Times for calculations (yr)	T( 3)	3.000E+00	3.000E+00	---	
R011	Times for calculations (yr)	T( 4)	1.000E+01	1.000E+01	---	
R011	Times for calculations (yr)	T( 5)	3.000E+01	3.000E+01	---	
R011	Times for calculations (yr)	T( 6)	1.000E+02	1.000E+02	---	
R011	Times for calculations (yr)	T( 7)	3.000E+02	3.000E+02	---	
R011	Times for calculations (yr)	T( 8)	1.000E+03	1.000E+03	---	
R011	Times for calculations (yr)	T( 9)	not used	0.000E+00	---	
R011	Times for calculations (yr)	T(10)	not used	0.000E+00	---	
<hr/>						
R012	Initial principal radionuclide (pCi/g): Ni-59	S1( 1)	1.000E+00	0.000E+00	---	
R012	Concentration in groundwater (pCi/L): Ni-59	W1( 1)	not used	0.000E+00	---	
<hr/>						
R013	Cover depth (m)	COVER0	0.000E+00	0.000E+00	---	
R013	Density of cover material (g/cm**3)	DENSCV	not used	1.500E+00	---	
R013	Cover depth erosion rate (m/yr)	VCV	not used	1.000E-03	---	
R013	Density of contaminated zone (g/cm**3)	DENSCZ	1.860E+00	1.500E+00	---	
R013	Contaminated zone erosion rate (m/yr)	VCZ	8.500E-04	1.000E-03	---	
R013	Contaminated zone total porosity	TPCZ	3.500E-01	4.000E-01	---	
R013	Contaminated zone field capacity		1.000E-01	2.000E-01	---	

3	FCCZ							
R013	Contaminated zone hydraulic conductivity (m/yr)	3	5.550E+02	3	1.000E+01	3		---
3	HCCZ							
R013	Contaminated zone b parameter	3	4.380E+00	3	5.300E+00	3		---
3	BCZ							
R013	Average annual wind speed (m/sec)	3	2.030E+00	3	2.000E+00	3		---
3	WIND							
R013	Humidity in air (g/m**3)	3	not used	3	8.000E+00	3		---
3	HUMID							
R013	Evapotranspiration coefficient	3	7.500E-01	3	5.000E-01	3		---
3	EVAPTR							
R013	Precipitation (m/yr)	3	1.200E+00	3	1.000E+00	3		---
3	PRECIP							
R013	Irrigation (m/yr)	3	4.350E-01	3	2.000E-01	3		---
3	RI							
R013	Irrigation mode	3	overhead	3	overhead	3		---
3	IDITCH							
R013	Runoff coefficient	3	6.000E-01	3	2.000E-01	3		---
3	RUNOFF							
R013	Watershed area for nearby stream or pond (m**2)	3	7.770E+05	3	1.000E+06	3		---
3	WAREA							
R013	Accuracy for water/soil computations	3	1.000E-03	3	1.000E-03	3		---
3	EPS							
3								
R014	Density of saturated zone (g/cm**3)	3	2.120E+00	3	1.500E+00	3		---
3	DENSAQ							
R014	Saturated zone total porosity	3	3.000E-01	3	4.000E-01	3		---
3	TPSZ							
R014	Saturated zone effective porosity	3	2.100E-01	3	2.000E-01	3		---
3	EPSZ							
R014	Saturated zone field capacity	3	9.000E-02	3	2.000E-01	3		---
3	FCSZ							
R014	Saturated zone hydraulic conductivity (m/yr)	3	1.000E-01	3	1.000E+02	3		---
3	HCSZ							
R014	Saturated zone hydraulic gradient	3	1.000E-01	3	2.000E-02	3		---
3	HGWT							
R014	Saturated zone b parameter	3	4.900E+00	3	5.300E+00	3		---
3	BSZ							
R014	Water table drop rate (m/yr)	3	1.000E-03	3	1.000E-03	3		---
3	VWT							
R014	Well pump intake depth (m below water table)	3	1.451E+01	3	1.000E+01	3		---
3	DWIBWT							
R014	Model: Nondispersion (ND) or Mass-Balance (MB)	3	ND	3	ND	3		---
3	MODEL							
R014	Well pumping rate (m**3/yr)	3	1.323E+03	3	2.500E+02	3		---
3	UW							
3								
R015	Number of unsaturated zone strata	3	1	3	1	3		---
3	NS							

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Summary : Yankee Rowe Sensitivity Analysis=soil      File: NI-59.RAD

		Site-Specific Parameter Summary (continued)				
0	3	3	User	3	3	Used by RESRAD
3	Parameter					
Menu	Parameter	Input	Default	(If different from user		
input)	Name					
<div style="border: 1px solid black; height: 1.2em; width: 100%;"></div>						
R015	Unsat. zone 1, thickness (m)	3	1.430E+00	3	4.000E+00	---
3	H(1)					
R015	Unsat. zone 1, soil density (g/cm**3)	3	1.860E+00	3	1.500E+00	---
3	DENSUZ(1)					
R015	Unsat. zone 1, total porosity	3	3.500E-01	3	4.000E-01	---
3	TPUZ(1)					
R015	Unsat. zone 1, effective porosity	3	2.500E-01	3	2.000E-01	---
3	EPUZ(1)					
R015	Unsat. zone 1, field capacity	3	1.000E-01	3	2.000E-01	---
3	FCUZ(1)					
R015	Unsat. zone 1, soil-specific b parameter	3	4.380E+00	3	5.300E+00	---
3	BUZ(1)					
R015	Unsat. zone 1, hydraulic conductivity (m/yr)	3	5.550E+02	3	1.000E+01	---
3	HCUZ(1)					
3						
R016	Distribution coefficients for Ni-59	3		3		
3						
R016	Contaminated zone (cm**3/g)	3	4.240E+02	3	1.000E+03	---
3	DCNUCC( 1)					
R016	Unsaturated zone 1 (cm**3/g)	3	4.240E+02	3	1.000E+03	---

3 DCNUCU( 1,1)				
R016 3 Saturated zone (cm**3/g)	3 4.240E+02	3 1.000E+03	3	---
3 DCNUCS( 1)				
R016 3 Leach rate (/yr)	3 0.000E+00	3 0.000E+00	3	1.841E-04
3 ALEACH( 1)				
R016 3 Solubility constant	3 0.000E+00	3 0.000E+00	3	not used
3 SOLUBK( 1)				
3	3	3	3	
R017 3 Inhalation rate (m**3/yr)	3 8.400E+03	3 8.400E+03	3	---
3 INHALR				
R017 3 Mass loading for inhalation (g/m**3)	3 2.330E-05	3 1.000E-04	3	---
3 MLINH				
R017 3 Exposure duration	3 3.000E+01	3 3.000E+01	3	---
3 ED				
R017 3 Shielding factor, inhalation	3 5.500E-01	3 4.000E-01	3	---
3 SHF3				
R017 3 Shielding factor, external gamma	3 2.725E-01	3 7.000E-01	3	---
3 SHF1				
R017 3 Fraction of time spent indoors	3 6.571E-01	3 5.000E-01	3	---
3 FIND				
R017 3 Fraction of time spent outdoors (on site)	3 1.181E-01	3 2.500E-01	3	---
3 FOTD				
R017 3 Shape factor flag, external gamma	3 1.000E+00	3 1.000E+00	3	>0 shows circular AREA.
3 FS				
R017 3 Radii of shape factor array (used if FS = -1):	3	3	3	
3				
R017 3 Outer annular radius (m), ring 1:	3 not used	3 5.000E+01	3	---
3 RAD_SHAPE( 1)				
R017 3 Outer annular radius (m), ring 2:	3 not used	3 7.071E+01	3	---
3 RAD_SHAPE( 2)				
R017 3 Outer annular radius (m), ring 3:	3 not used	3 0.000E+00	3	---
3 RAD_SHAPE( 3)				
R017 3 Outer annular radius (m), ring 4:	3 not used	3 0.000E+00	3	---
3 RAD_SHAPE( 4)				
R017 3 Outer annular radius (m), ring 5:	3 not used	3 0.000E+00	3	---
3 RAD_SHAPE( 5)				
R017 3 Outer annular radius (m), ring 6:	3 not used	3 0.000E+00	3	---
3 RAD_SHAPE( 6)				
R017 3 Outer annular radius (m), ring 7:	3 not used	3 0.000E+00	3	---
3 RAD_SHAPE( 7)				
R017 3 Outer annular radius (m), ring 8:	3 not used	3 0.000E+00	3	---
3 RAD_SHAPE( 8)				
R017 3 Outer annular radius (m), ring 9:	3 not used	3 0.000E+00	3	---
3 RAD_SHAPE( 9)				
R017 3 Outer annular radius (m), ring 10:	3 not used	3 0.000E+00	3	---
3 RAD_SHAPE(10)				
R017 3 Outer annular radius (m), ring 11:	3 not used	3 0.000E+00	3	---
3 RAD_SHAPE(11)				
R017 3 Outer annular radius (m), ring 12:	3 not used	3 0.000E+00	3	---
3 RAD_SHAPE(12)				
3	3	3	3	
R017 3 Fractions of annular areas within AREA:	3	3	3	
3				
R017 3 Ring 1	3 not used	3 1.000E+00	3	---
3 FRACA( 1)				
R017 3 Ring 2	3 not used	3 2.732E-01	3	---
3 FRACA( 2)				
R017 3 Ring 3	3 not used	3 0.000E+00	3	---
3 FRACA( 3)				
R017 3 Ring 4	3 not used	3 0.000E+00	3	---
3 FRACA( 4)				
R017 3 Ring 5	3 not used	3 0.000E+00	3	---
3 FRACA( 5)				
R017 3 Ring 6	3 not used	3 0.000E+00	3	---
3 FRACA( 6)				
R017 3 Ring 7	3 not used	3 0.000E+00	3	---
3 FRACA( 7)				
R017 3 Ring 8	3 not used	3 0.000E+00	3	---
3 FRACA( 8)				
R017 3 Ring 9	3 not used	3 0.000E+00	3	---
3 FRACA( 9)				
R017 3 Ring 10	3 not used	3 0.000E+00	3	---
3 FRACA(10)				
R017 3 Ring 11	3 not used	3 0.000E+00	3	---
3 FRACA(11)				
R017 3 Ring 12	3 not used	3 0.000E+00	3	---
3 FRACA(12)				
3	3	3	3	

			Site-Specific Parameter Summary (continued)			Used by RESRAD		
0	3		3	User	3			
3	Parameter							
Menu	3	Parameter	3	Input	3	Default	3	(If different from user
input)	3	Name						
AA AAAAAAAAAAAAAAAAAA								
R018	3	Fruits, vegetables and grain consumption (kg/yr)	3	1.120E+02	3	1.600E+02	3	---
3	DIET(1)							
R018	3	Leafy vegetable consumption (kg/yr)	3	2.140E+01	3	1.400E+01	3	---
3	DIET(2)							
R018	3	Milk consumption (L/yr)	3	2.330E+02	3	9.200E+01	3	---
3	DIET(3)							
R018	3	Meat and poultry consumption (kg/yr)	3	6.510E+01	3	6.300E+01	3	---
3	DIET(4)							
R018	3	Fish consumption (kg/yr)	3	2.060E+01	3	5.400E+00	3	---
3	DIET(5)							
R018	3	Other seafood consumption (kg/yr)	3	9.000E-01	3	9.000E-01	3	---
3	DIET(6)							
R018	3	Soil ingestion rate (g/yr)	3	1.826E+01	3	3.650E+01	3	---
3	SOIL							
R018	3	Drinking water intake (L/yr)	3	4.785E+02	3	5.100E+02	3	---
3	DWI							
R018	3	Contamination fraction of drinking water	3	1.000E+00	3	1.000E+00	3	---
3	FDW							
R018	3	Contamination fraction of household water	3	not used	3	1.000E+00	3	---
3	FHHW							
R018	3	Contamination fraction of livestock water	3	1.000E+00	3	1.000E+00	3	---
3	FLW							
R018	3	Contamination fraction of irrigation water	3	1.000E+00	3	1.000E+00	3	---
3	FIRW							
R018	3	Contamination fraction of aquatic food	3	1.000E+00	3	5.000E-01	3	---
3	FR9							
R018	3	Contamination fraction of plant food	3	1.000E+00	3	-1	3	---
3	FPLANT							
R018	3	Contamination fraction of meat	3	1.000E+00	3	-1	3	---
3	FMEAT							
R018	3	Contamination fraction of milk	3	1.000E+00	3	-1	3	---
3	FMILK							
3			3		3		3	
R019	3	Livestock fodder intake for meat (kg/day)	3	2.710E+01	3	6.800E+01	3	---
3	LFI5							
R019	3	Livestock fodder intake for milk (kg/day)	3	6.320E+01	3	5.500E+01	3	---
3	LFI6							
R019	3	Livestock water intake for meat (L/day)	3	5.060E+01	3	5.000E+01	3	---
3	LWI5							
R019	3	Livestock water intake for milk (L/day)	3	6.000E+01	3	1.600E+02	3	---
3	LWI6							
R019	3	Livestock soil intake (kg/day)	3	5.000E-01	3	5.000E-01	3	---
3	LSI							
R019	3	Mass loading for foliar deposition (g/m**3)	3	4.000E-04	3	1.000E-04	3	---
3	MLFD							
R019	3	Depth of soil mixing layer (m)	3	2.300E-01	3	1.500E-01	3	---
3	DM							
R019	3	Depth of roots (m)	3	2.150E+00	3	9.000E-01	3	---
3	DROOT							
R019	3	Drinking water fraction from ground water	3	1.000E+00	3	1.000E+00	3	---
3	FGWDW							
R019	3	Household water fraction from ground water	3	not used	3	1.000E+00	3	---
3	FGWHH							
R019	3	Livestock water fraction from ground water	3	1.000E+00	3	1.000E+00	3	---
3	FGWLW							
R019	3	Irrigation fraction from ground water	3	1.000E+00	3	1.000E+00	3	---
3	FGWIR							
3			3		3		3	
R19B	3	Wet weight crop yield for Non-Leafy (kg/m**2)	3	1.750E+00	3	7.000E-01	3	---
3	YV(1)							
R19B	3	Wet weight crop yield for Leafy (kg/m**2)	3	2.889E+00	3	1.500E+00	3	---
3	YV(2)							
R19B	3	Wet weight crop yield for Fodder (kg/m**2)	3	1.887E+00	3	1.100E+00	3	---
3	YV(3)							
R19B	3	Growing Season for Non-Leafy (years)	3	2.460E-01	3	1.700E-01	3	---
3	TE(1)							
R19B	3	Growing Season for Leafy (years)	3	1.230E-01	3	2.500E-01	3	---
3	TE(2)							
R19B	3	Growing Season for Fodder (years)	3	8.200E-02	3	8.000E-02	3	---
3	TE(3)							
R19B	3	Translocation Factor for Non-Leafy	3	1.000E-01	3	1.000E-01	3	---
3	TIV(1)							

R19B	3	Translocation Factor for Leafy	3	1.000E+00	3	1.000E+00	3	---
3 TIV(2)								
R19B	3	Translocation Factor for Fodder	3	1.000E+00	3	1.000E+00	3	---
3 TIV(3)								
R19B	3	Dry Foliar Interception Fraction for Non-Leafy	3	3.500E-01	3	2.500E-01	3	---
3 RDRY(1)								
R19B	3	Dry Foliar Interception Fraction for Leafy	3	3.500E-01	3	2.500E-01	3	---
3 RDRY(2)								
R19B	3	Dry Foliar Interception Fraction for Fodder	3	3.500E-01	3	2.500E-01	3	---
3 RDRY(3)								
R19B	3	Wet Foliar Interception Fraction for Non-Leafy	3	3.500E-01	3	2.500E-01	3	---
3 RWET(1)								
R19B	3	Wet Foliar Interception Fraction for Leafy	3	5.800E-01	3	2.500E-01	3	---
3 RWET(2)								
R19B	3	Wet Foliar Interception Fraction for Fodder	3	3.500E-01	3	2.500E-01	3	---
3 RWET(3)								
R19B	3	Weathering Removal Constant for Vegetation	3	3.300E+01	3	2.000E+01	3	---
3 WLAM								
3								
C14	3	C-12 concentration in water (g/cm**3)	3	not used	3	2.000E-05	3	---
3 C12WTR								
C14	3	C-12 concentration in contaminated soil (g/g)	3	not used	3	3.000E-02	3	---
3 C12CZ								
C14	3	Fraction of vegetation carbon from soil	3	not used	3	2.000E-02	3	---
3 CSOIL								
C14	3	Fraction of vegetation carbon from air	3	not used	3	9.800E-01	3	---
3 CAIR								
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		Site-Specific Parameter Summary (continued)				
0	3		3	User	3	Used by RESRAD
3	Parameter		3	Input	3	Default
Menu	3	Parameter	3	Input	3	Default
input)	3	Name	3	Input	3	(If different from user
AA AAAAAAAAAAAAAAAAAAAAAA						
C14	3	C-14 evasion layer thickness in soil (m)	3	not used	3	3.000E-01
3 DMC						
C14	3	C-14 evasion flux rate from soil (1/sec)	3	not used	3	7.000E-07
3 EVSN						
C14	3	C-12 evasion flux rate from soil (1/sec)	3	not used	3	1.000E-10
3 REVS						
C14	3	Fraction of grain in beef cattle feed	3	not used	3	8.000E-01
3 AVFG4						
C14	3	Fraction of grain in milk cow feed	3	not used	3	2.000E-01
3 AVFG5						
C14	3	DCF correction factor for gaseous forms of C14	3	not used	3	8.894E+01
3 CO2F						
3						
STOR	3	Storage times of contaminated foodstuffs (days):	3		3	
3						
STOR	3	Fruits, non-leafy vegetables, and grain	3	1.400E+01	3	1.400E+01
3 STOR_T(1)						
STOR	3	Leafy vegetables	3	1.000E+00	3	1.000E+00
3 STOR_T(2)						
STOR	3	Milk	3	1.000E+00	3	1.000E+00
3 STOR_T(3)						
STOR	3	Meat and poultry	3	2.000E+01	3	2.000E+01
3 STOR_T(4)						
STOR	3	Fish	3	7.000E+00	3	7.000E+00
3 STOR_T(5)						
STOR	3	Crustacea and mollusks	3	7.000E+00	3	7.000E+00
3 STOR_T(6)						
STOR	3	Well water	3	1.000E+00	3	1.000E+00
3 STOR_T(7)						
STOR	3	Surface water	3	1.000E+00	3	1.000E+00
3 STOR_T(8)						
STOR	3	Livestock fodder	3	4.500E+01	3	4.500E+01
3 STOR_T(9)						
3						
R021	3	Thickness of building foundation (m)	3	not used	3	1.500E-01
3 FLOOR1						
R021	3	Bulk density of building foundation (g/cm**3)	3	not used	3	2.400E+00
3 DENSFL						
R021	3	Total porosity of the cover material	3	not used	3	4.000E-01
3 TPCV						
R021	3	Total porosity of the building foundation	3	not used	3	1.000E-01
3 TPFL						



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Menu	Parameter	Current Value	Default	Parameter Name
B-1	Dose conversion factors for inhalation, mrem/pCi:			
B-1	Ni-63	6.290E-06	6.290E-06	DCF2 ( 1)
D-1	Dose conversion factors for ingestion, mrem/pCi:			
D-1	Ni-63	5.770E-07	5.770E-07	DCF3 ( 1)
D-34	Food transfer factors:			
D-34	Ni-63 , plant/soil concentration ratio, dimensionless	5.000E-02	5.000E-02	RTF ( 1,1)
D-34	Ni-63 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	5.000E-03	5.000E-03	RTF ( 1,2)
D-34	Ni-63 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	2.000E-02	2.000E-02	RTF ( 1,3)
D-5	Bioaccumulation factors, fresh water, L/kg:			
D-5	Ni-63 , fish	1.000E+02	1.000E+02	BIOFAC ( 1,1)
D-5	Ni-63 , crustacea and mollusks	1.000E+02	1.000E+02	BIOFAC ( 1,2)

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Site-Specific Parameter Summary  
 User

Menu	Parameter	Input	Default	Used by RESRAD
input)	Name		(If different from user	
R011	Area of contaminated zone (m**2)	1.302E+04	1.000E+04	---
AREA				
R011	Thickness of contaminated zone (m)	1.575E+00	2.000E+00	---
THICK0				
R011	Length parallel to aquifer flow (m)	1.290E+02	1.000E+02	---
LCZPAQ				
R011	Basic radiation dose limit (mrem/yr)	2.500E+01	2.500E+01	---
BRDL				
R011	Time since placement of material (yr)	0.000E+00	0.000E+00	---
TI				
R011	Times for calculations (yr)	1.000E+00	1.000E+00	---
T ( 2)				
R011	Times for calculations (yr)	3.000E+00	3.000E+00	---
T ( 3)				
R011	Times for calculations (yr)	1.000E+01	1.000E+01	---
T ( 4)				
R011	Times for calculations (yr)	3.000E+01	3.000E+01	---
T ( 5)				
R011	Times for calculations (yr)	1.000E+02	1.000E+02	---
T ( 6)				
R011	Times for calculations (yr)	3.000E+02	3.000E+02	---
T ( 7)				
R011	Times for calculations (yr)	1.000E+03	1.000E+03	---
T ( 8)				
R011	Times for calculations (yr)	not used	0.000E+00	---
T ( 9)				
R011	Times for calculations (yr)	not used	0.000E+00	---
T(10)				
R012	Initial principal radionuclide (pCi/g): Ni-63	1.000E+00	0.000E+00	---
S1 ( 1)				
R012	Concentration in groundwater (pCi/L): Ni-63	not used	0.000E+00	---
W1 ( 1)				
R013	Cover depth (m)	0.000E+00	0.000E+00	---
COVER0				
R013	Density of cover material (g/cm**3)	not used	1.500E+00	---
DENSCV				
R013	Cover depth erosion rate (m/yr)	not used	1.000E-03	---
VCV				
R013	Density of contaminated zone (g/cm**3)	1.860E+00	1.500E+00	---
DENSCZ				
R013	Contaminated zone erosion rate (m/yr)	8.500E-04	1.000E-03	---
VCZ				
R013	Contaminated zone total porosity	3.500E-01	4.000E-01	---
TPCZ				
R013	Contaminated zone field capacity	1.000E-01	2.000E-01	---





3 DCNUCU( 1,1)			
R016 3	Saturated zone (cm**3/g)	3 4.240E+02 3 1.000E+03 3	---
3 DCNUCS( 1)			
R016 3	Leach rate (/yr)	3 0.000E+00 3 0.000E+00 3	1.841E-04
3 ALEACH( 1)			
R016 3	Solubility constant	3 0.000E+00 3 0.000E+00 3	not used
3 SOLUBK( 1)			
3			
R017 3	Inhalation rate (m**3/yr)	3 8.400E+03 3 8.400E+03 3	---
3 INHALR			
R017 3	Mass loading for inhalation (g/m**3)	3 2.330E-05 3 1.000E-04 3	---
3 MLINH			
R017 3	Exposure duration	3 3.000E+01 3 3.000E+01 3	---
3 ED			
R017 3	Shielding factor, inhalation	3 5.500E-01 3 4.000E-01 3	---
3 SHF3			
R017 3	Shielding factor, external gamma	3 2.725E-01 3 7.000E-01 3	---
3 SHF1			
R017 3	Fraction of time spent indoors	3 6.571E-01 3 5.000E-01 3	---
3 FIND			
R017 3	Fraction of time spent outdoors (on site)	3 1.181E-01 3 2.500E-01 3	---
3 FOTD			
R017 3	Shape factor flag, external gamma	3 1.000E+00 3 1.000E+00 3	>0 shows circular AREA.
3 FS			
R017 3	Radii of shape factor array (used if FS = -1):	3 3 3	
3			
R017 3	Outer annular radius (m), ring 1:	3 not used 3 5.000E+01 3	---
3 RAD_SHAPE( 1)			
R017 3	Outer annular radius (m), ring 2:	3 not used 3 7.071E+01 3	---
3 RAD_SHAPE( 2)			
R017 3	Outer annular radius (m), ring 3:	3 not used 3 0.000E+00 3	---
3 RAD_SHAPE( 3)			
R017 3	Outer annular radius (m), ring 4:	3 not used 3 0.000E+00 3	---
3 RAD_SHAPE( 4)			
R017 3	Outer annular radius (m), ring 5:	3 not used 3 0.000E+00 3	---
3 RAD_SHAPE( 5)			
R017 3	Outer annular radius (m), ring 6:	3 not used 3 0.000E+00 3	---
3 RAD_SHAPE( 6)			
R017 3	Outer annular radius (m), ring 7:	3 not used 3 0.000E+00 3	---
3 RAD_SHAPE( 7)			
R017 3	Outer annular radius (m), ring 8:	3 not used 3 0.000E+00 3	---
3 RAD_SHAPE( 8)			
R017 3	Outer annular radius (m), ring 9:	3 not used 3 0.000E+00 3	---
3 RAD_SHAPE( 9)			
R017 3	Outer annular radius (m), ring 10:	3 not used 3 0.000E+00 3	---
3 RAD_SHAPE(10)			
R017 3	Outer annular radius (m), ring 11:	3 not used 3 0.000E+00 3	---
3 RAD_SHAPE(11)			
R017 3	Outer annular radius (m), ring 12:	3 not used 3 0.000E+00 3	---
3 RAD_SHAPE(12)			
3			
R017 3	Fractions of annular areas within AREA:	3 3 3	
3			
R017 3	Ring 1	3 not used 3 1.000E+00 3	---
3 FRACA( 1)			
R017 3	Ring 2	3 not used 3 2.732E-01 3	---
3 FRACA( 2)			
R017 3	Ring 3	3 not used 3 0.000E+00 3	---
3 FRACA( 3)			
R017 3	Ring 4	3 not used 3 0.000E+00 3	---
3 FRACA( 4)			
R017 3	Ring 5	3 not used 3 0.000E+00 3	---
3 FRACA( 5)			
R017 3	Ring 6	3 not used 3 0.000E+00 3	---
3 FRACA( 6)			
R017 3	Ring 7	3 not used 3 0.000E+00 3	---
3 FRACA( 7)			
R017 3	Ring 8	3 not used 3 0.000E+00 3	---
3 FRACA( 8)			
R017 3	Ring 9	3 not used 3 0.000E+00 3	---
3 FRACA( 9)			
R017 3	Ring 10	3 not used 3 0.000E+00 3	---
3 FRACA(10)			
R017 3	Ring 11	3 not used 3 0.000E+00 3	---
3 FRACA(11)			
R017 3	Ring 12	3 not used 3 0.000E+00 3	---
3 FRACA(12)			
3			

Site-Specific		Parameter Summary (continued)			Used by RESRAD
0	3	3	User	3	
3	Parameter				
Menu	3	Parameter	3	Input	3
input)	3	Name		Default	3 (If different from user
AA					
AAAAAAAAAAAAAAAA					
R018	3	Fruits, vegetables and grain consumption (kg/yr)	3	1.120E+02	3 1.600E+02 3 ---
3	DIET(1)				
R018	3	Leafy vegetable consumption (kg/yr)	3	2.140E+01	3 1.400E+01 3 ---
3	DIET(2)				
R018	3	Milk consumption (L/yr)	3	2.330E+02	3 9.200E+01 3 ---
3	DIET(3)				
R018	3	Meat and poultry consumption (kg/yr)	3	6.510E+01	3 6.300E+01 3 ---
3	DIET(4)				
R018	3	Fish consumption (kg/yr)	3	2.060E+01	3 5.400E+00 3 ---
3	DIET(5)				
R018	3	Other seafood consumption (kg/yr)	3	9.000E-01	3 9.000E-01 3 ---
3	DIET(6)				
R018	3	Soil ingestion rate (g/yr)	3	1.826E+01	3 3.650E+01 3 ---
3	SOIL				
R018	3	Drinking water intake (L/yr)	3	4.785E+02	3 5.100E+02 3 ---
3	DWI				
R018	3	Contamination fraction of drinking water	3	1.000E+00	3 1.000E+00 3 ---
3	FDW				
R018	3	Contamination fraction of household water	3	not used	3 1.000E+00 3 ---
3	FHHW				
R018	3	Contamination fraction of livestock water	3	1.000E+00	3 1.000E+00 3 ---
3	FLW				
R018	3	Contamination fraction of irrigation water	3	1.000E+00	3 1.000E+00 3 ---
3	FIRW				
R018	3	Contamination fraction of aquatic food	3	1.000E+00	3 5.000E-01 3 ---
3	FR9				
R018	3	Contamination fraction of plant food	3	1.000E+00	3 -1 3 ---
3	FPLANT				
R018	3	Contamination fraction of meat	3	1.000E+00	3 -1 3 ---
3	FMEAT				
R018	3	Contamination fraction of milk	3	1.000E+00	3 -1 3 ---
3	FMILK				
3			3		3
R019	3	Livestock fodder intake for meat (kg/day)	3	2.710E+01	3 6.800E+01 3 ---
3	LFI5				
R019	3	Livestock fodder intake for milk (kg/day)	3	6.320E+01	3 5.500E+01 3 ---
3	LFI6				
R019	3	Livestock water intake for meat (L/day)	3	5.060E+01	3 5.000E+01 3 ---
3	LWI5				
R019	3	Livestock water intake for milk (L/day)	3	6.000E+01	3 1.600E+02 3 ---
3	LWI6				
R019	3	Livestock soil intake (kg/day)	3	5.000E-01	3 5.000E-01 3 ---
3	LSI				
R019	3	Mass loading for foliar deposition (g/m**3)	3	4.000E-04	3 1.000E-04 3 ---
3	MLFD				
R019	3	Depth of soil mixing layer (m)	3	2.300E-01	3 1.500E-01 3 ---
3	DM				
R019	3	Depth of roots (m)	3	2.150E+00	3 9.000E-01 3 ---
3	DROOT				
R019	3	Drinking water fraction from ground water	3	1.000E+00	3 1.000E+00 3 ---
3	FGWDW				
R019	3	Household water fraction from ground water	3	not used	3 1.000E+00 3 ---
3	FGWHH				
R019	3	Livestock water fraction from ground water	3	1.000E+00	3 1.000E+00 3 ---
3	FGWLW				
R019	3	Irrigation fraction from ground water	3	1.000E+00	3 1.000E+00 3 ---
3	FGWIR				
3			3		3
R19B	3	Wet weight crop yield for Non-Leafy (kg/m**2)	3	1.750E+00	3 7.000E-01 3 ---
3	YV(1)				
R19B	3	Wet weight crop yield for Leafy (kg/m**2)	3	2.889E+00	3 1.500E+00 3 ---
3	YV(2)				
R19B	3	Wet weight crop yield for Fodder (kg/m**2)	3	1.887E+00	3 1.100E+00 3 ---
3	YV(3)				
R19B	3	Growing Season for Non-Leafy (years)	3	2.460E-01	3 1.700E-01 3 ---
3	TE(1)				
R19B	3	Growing Season for Leafy (years)	3	1.230E-01	3 2.500E-01 3 ---
3	TE(2)				
R19B	3	Growing Season for Fodder (years)	3	8.200E-02	3 8.000E-02 3 ---
3	TE(3)				
R19B	3	Translocation Factor for Non-Leafy	3	1.000E-01	3 1.000E-01 3 ---
3	TIV(1)				

R19B	3	Translocation Factor for Leafy	3	1.000E+00	3	1.000E+00	3	---
3	TIV(2)							
R19B	3	Translocation Factor for Fodder	3	1.000E+00	3	1.000E+00	3	---
3	TIV(3)							
R19B	3	Dry Foliar Interception Fraction for Non-Leafy	3	3.500E-01	3	2.500E-01	3	---
3	RDRY(1)							
R19B	3	Dry Foliar Interception Fraction for Leafy	3	3.500E-01	3	2.500E-01	3	---
3	RDRY(2)							
R19B	3	Dry Foliar Interception Fraction for Fodder	3	3.500E-01	3	2.500E-01	3	---
3	RDRY(3)							
R19B	3	Wet Foliar Interception Fraction for Non-Leafy	3	3.500E-01	3	2.500E-01	3	---
3	RWET(1)							
R19B	3	Wet Foliar Interception Fraction for Leafy	3	5.800E-01	3	2.500E-01	3	---
3	RWET(2)							
R19B	3	Wet Foliar Interception Fraction for Fodder	3	3.500E-01	3	2.500E-01	3	---
3	RWET(3)							
R19B	3	Weathering Removal Constant for Vegetation	3	3.300E+01	3	2.000E+01	3	---
3	WLAM							
3								
C14	3	C-12 concentration in water (g/cm**3)	3	not used	3	2.000E-05	3	---
3	C12WTR							
C14	3	C-12 concentration in contaminated soil (g/g)	3	not used	3	3.000E-02	3	---
3	C12CZ							
C14	3	Fraction of vegetation carbon from soil	3	not used	3	2.000E-02	3	---
3	CSOIL							
C14	3	Fraction of vegetation carbon from air	3	not used	3	9.800E-01	3	---
3	CAIR							
1RESRAD, Version 6.21 T« Limit = 0.5 year				04/29/2003	18:18	Page	6	
Summary : Yankee Rowe Sensitivity Analysis=soil				File: YR Ni-63.RAD				

