C. Additional Results Data

This appendix is focused on presenting additional results than those presented in the report. It includes detailed results from the preliminary dose assessment as well as from the AERMOD and Ecolego model. In the last case, it is presented both isotopic concentration in different compartments of the environment as well as the dose received in all studied cases per isotope and exposure pathway. All these data are provided for the last year of the operational period.

C.1 Preliminary Dose Assessment

The following tables includes the results from the preliminary dose assessment performed with the IRAT tool. Note that it is presented the contribution of each isotope in the selected exposure group scenario to the total dose. In each case, radionuclides selected for the detailed dose assessment in Ecolego are highlighted in bold.

Table C. 1. *IRAT results of isotope contribution to dose received from atmosphere. Isotopes highlighted in bold are those selected for the final assessment.*

Isotope	Contribution (%)	Isotope	Contribution (%)
Other beta/gamma-emitting nuclides[a]	**6.9E+01**	U-238	2.0E-01
Rn-222[b]	**1.4E+01**	Co-60	4.0E-02
I-131	**9.9E+00**	Cs-137	3.0E-02
Na-22	**2.4E+00**	C-14	3.0E-02
Th-232	**2.0E+00**	Cs-134	3.0E-02
Ra-223[c]	**1.2E+00**	Pb-212	1.0E-02
Th-227[d]	8.0E-01	Zn-65	1.0E-02
U-234	3.0E-01	H-3	3.0E-03
U-235	3.0E-01		

[a] *Other beta/gamma emitting nuclides stands for Sc-46, Ba-133, Tb-161 and Sn-113.*

[b] *Rn-222 has been used to assess Rn-220 and Rn-222.*

[c] *Ra-223 has been used to assess Ra-224 and Ra-228.*

[d] *Th-227 has been used to assess Th-228.*

Table C. 2. *IRAT results of isotope contribution to dose received from surface water based on angling family. Note that isotopes highlighted in bold are those selected for the final assessment.*

Isotope	Contribution (%)	Isotope	Contribution (%)
Cs-134	**1.0E+02**	Co-60	1.0E-02
Th-232	**1.8E-01**	Th-227[c]	1.0E-02
Other beta/gamma-emitting nuclides[a]	9.6E-02	U-235	3.0E-03
Na-22	6.0E-02	U-234	3.0E-03
C-14	5.0E-02	U-238	3.0E-03
Ra-223[b]	4.0E-02	Th-230	0.0E+00
H-3	2.0E-02		

[a] *Other beta/gamma emitting nuclides stands for Ba-133 and Tb-161.*

[b] *Ra-223 has been used to assess Ra-224 and Ra-228.*

[c] *Th-227 has been used to assess Th-228.*

Table C. 3. *IRAT Results of isotope contribution to dose received from irrigated food. Isotopes highlighted in bold are those selected for the final assessment.*

Isotope	Contribution (%)	Isotope	Contribution (%)
Cs-134	**8.8E+01**	U-235	1.4E-01
Na-22	**8.8E+00**	U-234	1.2E-01
Ra-223[a]	**1.5E+00**	U-238	1.1E-01
H-3	7.6E-01	Co-60	1.0E-02
Th-230	4.0E-01	Th-227[c]	1.0E-02
Th-232	3.3E-01	C-14	0.0E+00
Other beta/gamma-emitting nuclides[b]	2.1E-01		

[a] *Ra-223 has been used to assess Ra-224 and Ra-228.*

[b] *Other beta/gamma emitting nuclides stands for Ba-133 and Tb-161.*

[c] *Th-227 has been used to assess Th-228.*