"The NUMO Pre-siting SDM-based Safety Case" - List of errata -

Corrected on July 2, 2025

English version

Chapter	Page	Position (Line, etc.)	Before correction	After correction
4	4-30	Figure 4.4-2	See "List of errata about Figure 4.4-2 in Chapter 4" below	See "List of errata about Figure 4.4-2 in Chapter 4" below
4	4-43	The 10th line from the top	Kunigel IV	Kunigel V1
4	4-107	Figure 4.5-23	See "List of errata about Figure 4.5-23 in Chapter 4" below	See "List of errata about Figure 4.5-23 in Chapter 4" below
4	4-108	Table 4.5-20	See "List of errata about Table 4.5-20 in Chapter 4" below	See "List of errata about Table 4.5-20 in Chapter 4" below
6	6-14	Table 6.1-5	See "List of errata about Table 6.1-5 in Chapter 6" below	See "List of errata about Table 6.1-5 in Chapter 6" below
6	6-125	Figure 6.4-20	Figures for RN migration and radiation exposure processes are available, but only the latter is incuded.	Added Figure of RN migration process

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July 2, 2025

List of errata about Figure 4.4-2 in Chapter 4

Before correction

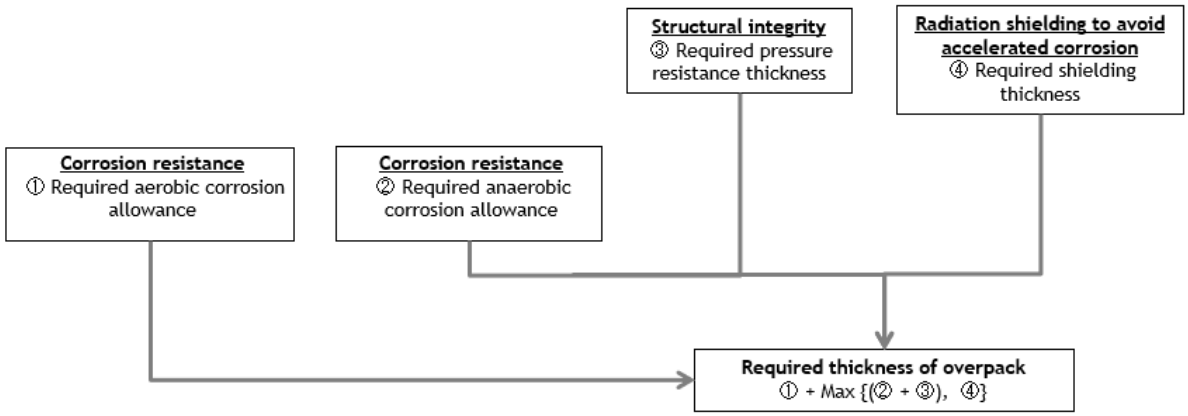

Figure 4.4-2 Setting overpack thickness

After correction

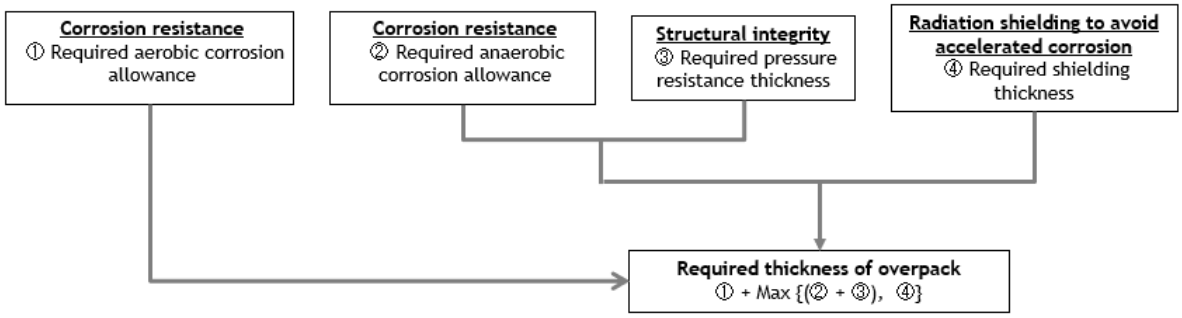

Figure 4.4-2 Setting overpack thickness

List of errata about Figure 4.5-23 in Chapter 4

Before correction

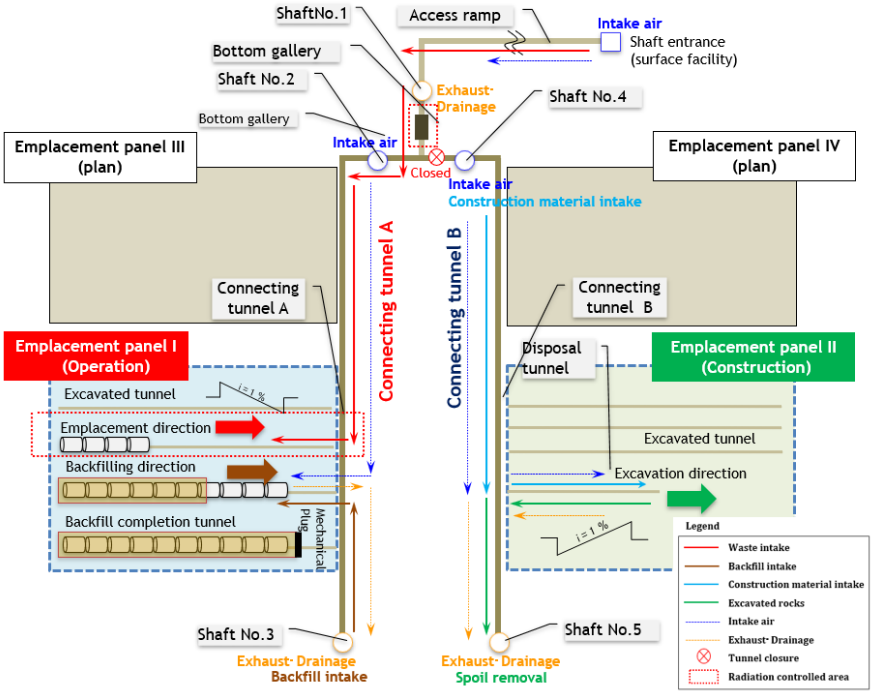

Figure 4.5-23 Conceptual sketch of tunnel layout (HLW DET panels)

After correction

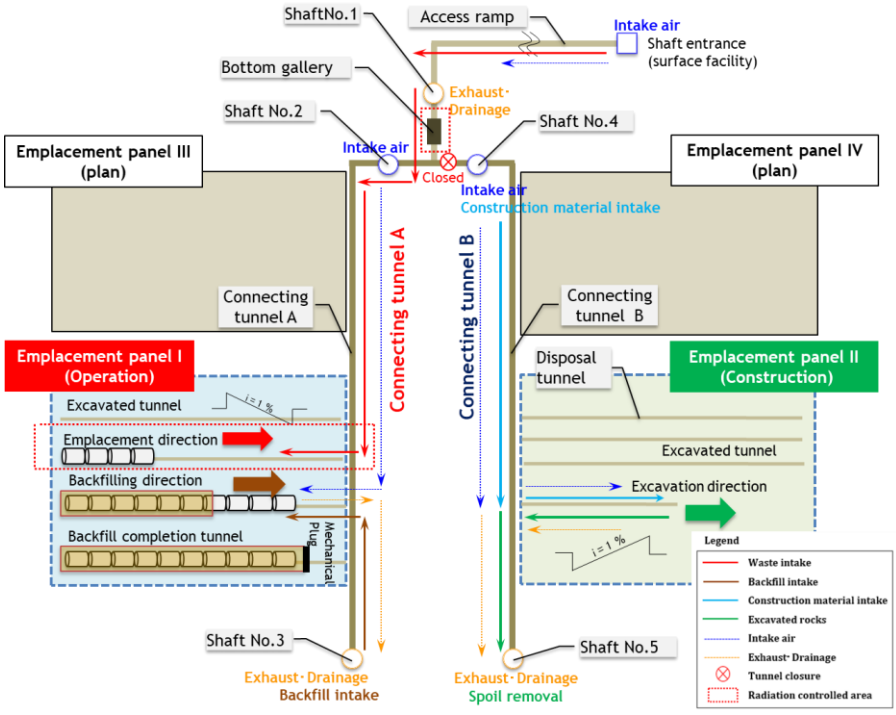

Figure 4.5-23 Conceptual sketch of tunnel layout (HLW DET panels)

List of errata about Table 4.5-20 in Chapter 4 （Corrections are in red.）

Before correction

Table 4.5-20 Access roles (H12V/PEM DET panels)

No.	Name	Function	Ventilation role
Ramp	Ramp	Transport of overpack and buffer or PEM	Air intake
Shaft No. 1	Ramp ventilation shaft	Ramp drainage	Exhaust (active)
Shaft No. 2	Materials transport shaft A	Construction, backfill materials, personnel and equipment	Air intake
Shaft No. 3	Spoil removal shaft A	Excavated spoil, drainage	Exhaust (active)
Shaft No. 4	Materials transport shaft B	Construction, backfill materials, personnel and equipment	Air intake
Shaft No. 5	Spoil removal shaft B	Excavated spoil, drainage	Exhaust (inactive)

After correction

Table 4.5-20 Access roles (H12V/PEM DET panels)

No.	Name	Function	Ventilation role
Ramp	Ramp	Transport of overpack and buffer or PEM	Air intake
Shaft No. 1	Ramp ventilation shaft	Ramp drainage	Exhaust (active)
Shaft No. 2	Materials transport shaft A	Construction, personnel and equipment	Air intake
Shaft No. 3	Spoil removal shaft A	Excavated spoil, backfill materials and drainage	Exhaust (active)
Shaft No. 4	Materials transport shaft B	Construction, personnel and equipment	Air intake
Shaft No. 5	Spoil removal shaft B	Excavated spoil, backfill materials and drainage	Exhaust (inactive)

List of errata about Table 6.1-5 in Chapter 6 (Corrections are in red.)

Before correction

Table 6.1-5 Selected radionuclides for biosphere assessment

Nuclide	Half-life (y)	Nuclide	Half-life (y)
C-14	5.7×10^{3}	**Pa-233**	7.4×10^{-2}
Cl-36	3.0×10^{5}	**U-232**	6.9x10
Co-60	5.3	**U-233**	1.6×10^{5}
Ni-59	1.0×10^{5}	**U-234**	2.5×10^{5}
Ni-63	1.0×10^{2}	**U-235**	7.0×10^{8}
Se-79	3.0×10^{5}	**U-236**	2.3×10^{7}
Sr-90	2.9x10	**U-238**	4.5×10^{9}
Zr-93	1.5×10^{6}	**Np-236**	1.5×10^{5}
Nb-93m	1.6x10	**Np-237**	2.1×10^{6}
Nb-94	2.0×10^{4}	**Pu-236**	2.9
Mo-93	4.0×10^{3}	**Pu-238**	8.8x10
Tc-99	2.1×10^{5}	**Pu-239**	2.4×10^{4}
Pd-107	6.5×10^{6}	**Pu-240**	6.6×10^{3}
Sn-126	2.3×10^{5}	**Pu-241**	1.4x10
I-129	1.6×10^{7}	**Pu-242**	3.8×10^{5}
Cs-135	2.3×10^{6}	**Pu-244**	8.0×10^{7}
Cs-137	3.0x10	**Am-241**	4.3×10^{2}
Pb-210	2.2x10	**Am-242m**	1.4×10^{2}
Po-210	3.8×10^{-1}	**Am-243**	7.4×10^{3}
Ra-226	1.6×10^{3}	**Cm-242**	4.5×10^{-1}
Ra-228	5.8	**Cm-243**	2.9x10
Ac-227	2.2x10	**Cm-244**	1.8x10
Th-228	1.9	**Cm-245**	8.5×10^{3}
Th-229	7.3×10^{3}	**Cm-246**	4.8×10^{3}
Th-230	7.5×10^{4}	**Cm-247**	1.6×10^{7}
Th-232	1.4×10^{10}	**Cm-248**	3.5×10^{5}
Pa-231	3.3×10^{4}		

After correction

Table 6.1-5 Selected radionuclides for biosphere assessment

Nuclide	Half-life (y)
C-14	5.7×10^{3}
Cl-36	3.0×10^{5}
Co-60	5.3
Ni-59	1.0×10^{5}
Ni-63	1.0×10^{2}
Se-79	3.0×10^{5}
Sr-90	2.9x10
Zr-93	1.5×10^{6}
Nb-93m	1.6x10
Nb-94	2.0×10^{4}
Mo-93	4.0×10^{3}
Tc-99	2.1×10^{5}
Pd-107	6.5×10^{6}
Sn-126	2.3×10^{5}
I-129	1.6×10^{7}
Cs-135	2.3×10^{6}
Cs-137	3.0x10
Pb-210	2.2x10
Po-210	3.8×10^{-1}
Ra-226	1.6×10^{3}
Ra-228	5.8
Ac-227	2.2x10
Th-228	1.9
Th-229	7.3×10^{3}
Th-230	7.5×10^{4}
Th-232	1.4×10^{10}
Pa-231	3.3×10^{4}

Nuclide	Half-life (y)
Pa-233	7.4×10^{-2}
U-232	6.9x10
U-233	1.6×10^{5}
U-234	2.5×10^{5}
U-235	7.0×10^{8}
U-236	2.3×10^{7}
U-238	4.5×10^{9}
Np-236	1.5×10^{5}
Np-237	2.1×10^{6}
Pu-236	2.9
Pu-238	8.8x10
Pu-239	2.4×10^{4}
Pu-240	6.6×10^{3}
Pu-241	1.4x10
Pu-242	3.8×10^{5}
Pu-244	8.0×10^{7}
Am-241	4.3×10^{2}
Am-242m	1.4×10^{2}
Am-243	7.4×10^{3}
Cm-243	2.9x10
Cm-244	1.8x10
Cm-245	8.5×10^{3}
Cm-246	4.8×10^{3}
Cm-247	1.6×10^{7}
Cm-248	3.5×10^{5}

List of errata about Figure 6.4-20 in Chapter 6

Before correction

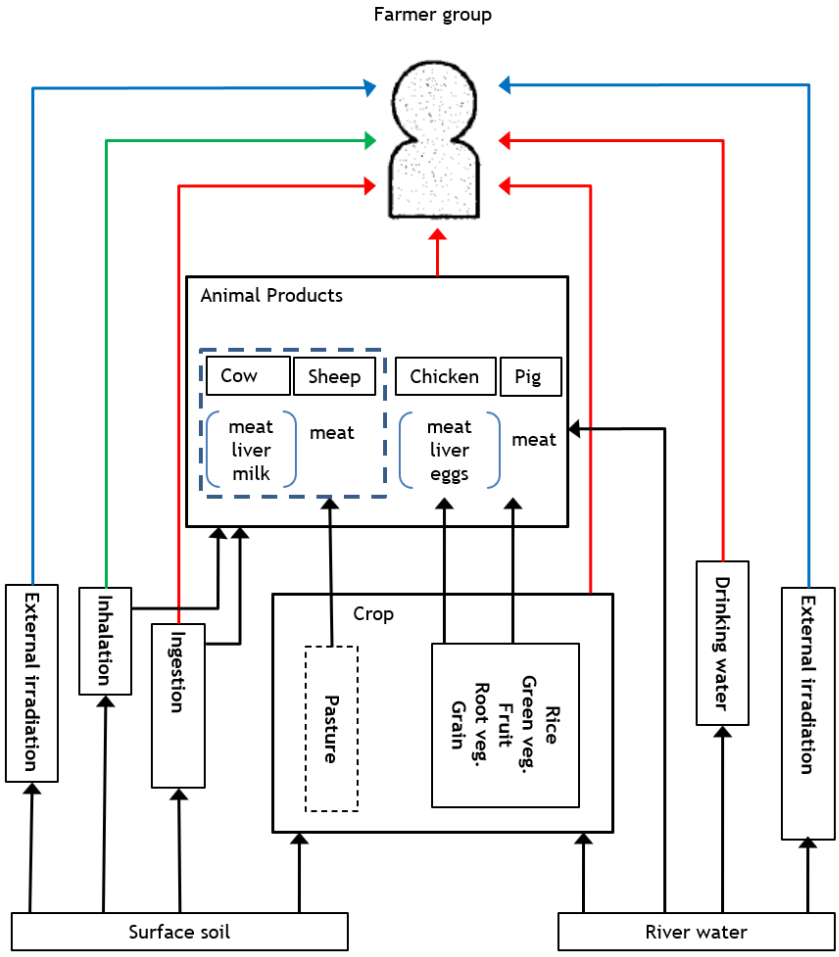

Figure 6.4-20 Example of RN migration and radiation exposure processes in the biosphere (River water GBI, temperate climate, farmer exposure group)

After correction

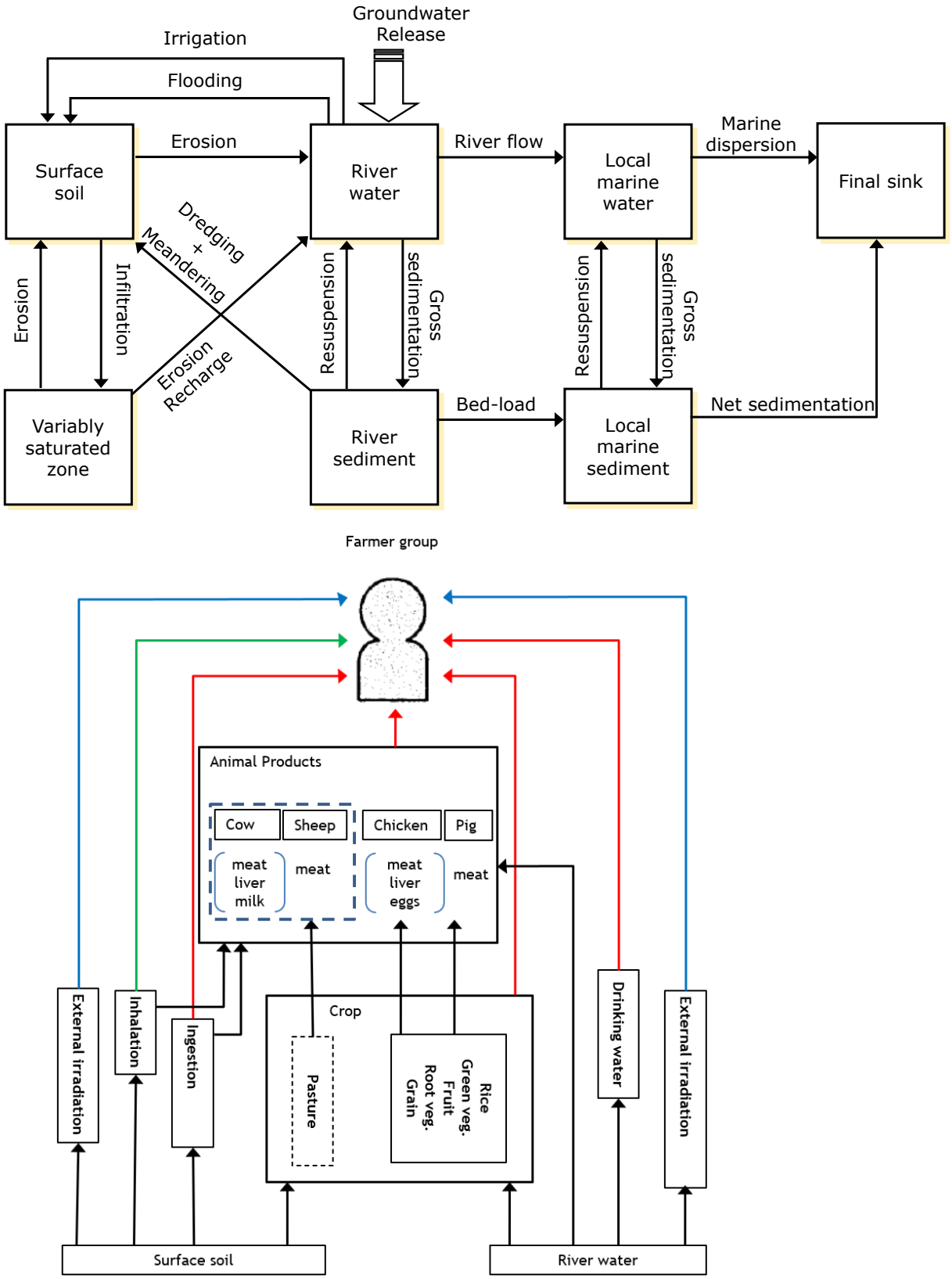

Figure 6.4-20 Example of RN migration and radiation exposure processes in the biosphere (River water GBI, temperate climate, farmer exposure group)

″The NUMO Pre-siting SDM-based Safety Case" - List of errata -

Corrected on July 21, 2023

English version

Chapter	Page	Position (Line, etc.)	Before correction	After correction
3	3-7	The 3rd line from the top	(1) Characteristics of a suitable geological environment	(1) Features of geological environments in Japan
3	3-48	Figure 3.3-7	Complex Extent	Complex Matrix composition
3	3-58	Legend of Figure 3.3-19	Hydraulic head (m)	Darcy flux (m/s)
3	3-60	Legend of Figure 3.3-21	The colors of the legend do not correspond to those of the plots.	Corrected the colors of the legend so they correspond to those of the plots.
3	3-83	Table 3.3-16	The description of Pre-Neogene and Neogene is opposite.	The center is Neogene and on the right is Pre-Neogene.
4	4-22	The 12th line from the bottom	Grs.1 and 4L have no buffer.	Grs.3 and 4L have no buffer.
4	4-22	The 10th line from the bottom	Bullet points are not indented.	Indented bullet points correctly.
4	4-23	The 10th line from the top	Bullet points are not indented.	Indented bullet points correctly.
4	4-23	The 12th line from the top	Bullet points are not indented.	Indented bullet points correctly.
6	6-72	The 6th line from the bottom	Table 6.3-11	Table 6.3-10
6	6-100	The 13th line from the bottom	for plutonic rocks and Neogene sediments	for plutonic rocks and Pre-Neogene sediments
6	6-102	The 13th to 14th lines from the bottom	plutonic rocks and Neogene sediments; for Pre-Neogene sediments	plutonic rocks and Pre-Neogene sediments; for Neogene sediments
6	6-103	The 8th line from the top (From the 8th to 9th lines from the top after correction)	(plutonic rocks and Neogene sediments)	(plutonic rocks and Pre-Neogene sediments)
6	6-112	The 8th line from the top	Cs, Sr and Ra	Cs, Sr, Ra and Pb
6	6-112	The 9th line from the top	Co, Ni, Pd and Pb	Co, Ni and Pd
6	6-130	Figure 6.4-22 (Figures at the upper right and the lower left)	Estimated dose	Dose limit
6	6-135	The 13th line from the bottom (From the 12th to 13th lines from the bottom after correction)	Neogene sediments	Pre-Neogene sediments
6	6-140	Figure 6.4-26	Estimated dose	Dose limit
6	6-142	Figure 6.4-27	Dose limit for variant scenarios: 300 μSv/y	Dose from natural radiation in Japan: 2,100 μSv/y
6	6-142	Figure 6.4-27	Dose limit for base scenario: 10 μSv/y	Dose limit for variant scenarios: 300 μSv/y

6	6-144	Figure 6.4-28	Dose limit for variant scenarios: 300 μSv/y	Dose from natural radiation in Japan: 2,100 μSv/y
6	6-144	Figure 6.4-28	Dose limit for base scenario: 10 μSv/y	Dose limit for variant scenarios: 300 μSv/y
6	6-146	Figure 6.4-29	Dose limit for variant scenarios: 300 μSv/y	Dose from natural radiation in Japan: 2,100 μSv/y
6	6-146	Figure 6.4-29	Dose limit for base scenario: 10 μSv/y	Dose limit for variant scenarios: 300 μSv/y
6	6-147	Figure 6.4-30	Estimated dose	Dose limit
6	6-147	Figure 6.4-30 (Figure at the upper right)	TRU(waste package B)	TRU(waste package A)
6	6-148	Figure 6.4-31	Dose limit for variant scenarios: 300 μSv/y	Dose from natural radiation in Japan: 2,100 μSv/y
6	6-148	Figure 6.4-31	Dose limit for base scenario: 10 μSv/y	Dose limit for variant scenarios: 300 μSv/y
7	7-16	The 13th line from the bottom	the boundary of the site during was significantly lower	the boundary of the site was significantly lower
7	7-18	Figure 7.2-3	Maximum dose (mSv/y)	Maximum dose (μSv/y)
7	7-19	Figure 7.2-4	Maximum dose (mSv/y)	Maximum dose (μSv/y)