Table C_0: Details on the division of the dense network with respect to the monitored item and territorial division

Monitoring network by purpose	Monitoring network by sampling method	Monitored item	Monitoring network by territorial division	Table with details
Network for external and internal exposure	Network of environmental sampling	Atmosphere/air	Territorial	C3.1, C3.1a
	Network of environmental sampling (including discharges)		Local	C3.1, C3.1b
	Network of environmental sampling	Pedosphere/soil	Territorial	C3.2, -------
			Local	C3.2, C3.2b
	Network of environmental sampling	Hydrosphere/water	Territorial	C3.3, C3.3a
	Network of environmental sampling (including discharges)		Local	C3.3, C3.3b
	Network of environmental sampling	Hydrosphere/sludge	Territorial	C3.4, C3.4a
			Local	C3.4, --------
	Network of environmental sampling	Hydrosphere/sediments	Territorial	C3.5, C3.5a
			Local	C3.5, --------
	Network of environmental sampling	Flora/indicator plants[1)]	----------	C3.6, -------
Network for internal exposure	Network of food chain sampling	Food chain/milk	Territorial	C4.1, C4.1a
			Local	C4.1, C4.1b
		Food chain/milk products	Territorial	C4.1, --------
		Food chain/mixed diet	Territorial	C4.2, C4.2.a
		Food chain/mixed diet items	Territorial	C4.3, C4.3.a
			Local	C4.3, C4.3.b
		Food chain/medications[1)]	----------	----------
		Food chain/feed	Territorial	C4.4., C4.4.a
			Local	C4.4., C4.4b
	Network of human body sample measurement	Human body	Territorial	----------

[1)] The monitored item is monitored only for an emergency exposure situation, permanent sampling sites are not determined.

Table C_1: Details on the division of monitored items in a planned exposure situation (PES) and emergency exposure situation (NES)

Level 1 of the division of monitored items	Level 2 of the division of monitored items	Level 3 of the division of monitored items	Level 4 of the division of monitored items	Identifier	Measured quantity	Unit	Measurement for PES	Measurement for NES
Atmosphere	Air	*Air*		1000000	Activity concentration	Bq/m^3		
		Aerosols		1010000	Activity concentration	Bq/m^3	Y	Y
		Gaseous forms		1020000	Activity concentration	Bq/m^3	Y	Y
			Iodines	1020200	Activity concentration	Bq/m^3	Y	Y
			Tritium	1020400	Activity concentration	Bq/m^3	Y	Y
			Carbon	1020300	Activity concentration	Bq/m^3	Y	Y
			Noble gases	1020100	Activity concentration	Bq/m^3	Y	Y
		Discharges to the air			Activity concentration	Bq/m^3	Y	Y
			Aerosols		Activity concentration	Bq/m^3	Y	Y
			Gaseous forms		Activity concentration	Bq/m^3	Y	Y
		Fallouts		1030000	Surface activity	Bq/m^2	Y	Y
			Total fallout	6060014	Surface activity	Bq/m^2	Y	Y
			Wet fallout	6060016	Surface activity	Bq/m^2	Y	Y
			Dry fallout	6060018	Surface activity	Bq/m^2	Y	Y
Pedosphere	Soil	*Soil*		2000000	Surface activity[2)]	Bq/m^2		
		Ground cover and snow		2020000	Surface activity	Bq/m^2	N	Y
			Ground cover	6060032	Surface activity	Bq/m^2	N	Y
			Snow	6060034	Surface activity	Bq/m^2	N	Y
		Soil and ground cover		2010000	Surface activity	Bq/m^2	Y	Y
		Soils – in situ		2030000	Surface activity	Bq/m^2	Y	Y
		Soils – aerial			Surface activity	Bq/m^2	Y	Y
Hydrosphere	Water	*Water*		5000000	Activity concentration	Bq/l		

[2)] Surface activity is determined for artificial radionuclides (in particular ^{137}Cs) in Bq/m^2 and specific activity is determined for natural radionuclides (e.g. ^{40}K) in Bq/kg.

Level 1 of the division of monitored items	Level 2 of the division of monitored items	Level 3 of the division of monitored items	Level 4 of the division of monitored items	Identifier	Measured quantity	Unit	Measurement for PES	Measurement for NES
		Precipitation		5060000	Activity concentration	Bq/l	Y	Y
		Drinking water		5010000	Activity concentration	Bq/l	Y	Y
Hydrosphere	Water		Bottled water	5010500	Activity concentration	Bq/l	Y	Y
			Wells	5010300	Activity concentration	Bq/l	Y	Y
			Public water supplies	5010100	Activity concentration	Bq/l	Y	Y
			Waterworks-water treatment plants	5010200	Activity concentration	Bq/l	Y	Y
			Boreholes	5010400	Activity concentration	Bq/l	Y	Y
		Surface water		5030000	Activity concentration	Bq/l	Y	Y
			Reservoirs, ponds, lakes	5030100	Activity concentration	Bq/l	Y	Y
			Water-supply reservoirs	5020000	Activity concentration	Bq/l	Y	Y
			Water-supply courses	6060012	Activity concentration	Bq/l	Y	Y
			Watercourses	5030200	Activity concentration	Bq/l	Y	Y
		Ground supply water		5070000	Activity concentration	Bq/l	Y	Y
			Mine waters	5070300	Activity concentration	Bq/l	Y	Y
			Non-drinking water wells	5070100	Activity concentration	Bq/l	Y	Y
			Non-drinking water boreholes	5070200	Activity concentration	Bq/l	Y	Y
		Waste water		5040000	Activity concentration	Bq/l		
			Effluents from sewers	5040100	Activity concentration	Bq/l	N	Y
		Discharges to the watercourses		5040800	Activity concentration	Bq/l	Y	Y
			Liquid discharges from NPP	5040800	Activity concentration	Bq/l	Y	Y
			Others		Activity concentration	Bq/l	Y	Y
	Sludge	*Sludge*		5400000	Specific activity	Bq/kg		
		Sewage sludge		5040400	Specific activity	Bq/kg	Y	Y

Level 1 of the division of monitored items	Level 2 of the division of monitored items	Level 3 of the division of monitored items	Level 4 of the division of monitored items	Identifier	Measured quantity	Unit	Measurement for PES	Measurement for NES
		Water-supply sludge		5040500	Specific activity	Bq/kg	Y	Y
	Sediments	*Sediments*		5500000	Specific activity	Bq/kg		
		Sediments from reservoirs, ponds and lakes		5050100	Specific activity	Bq/kg	Y	Y
		Sediments from sewage		5040200	Specific activity	Bq/kg	N	Y
		Sediments from watercourses		5050000	Specific activity	Bq/kg	Y	Y
Hydrosphere	*Sediments*	Suspended sediments		5080000	Specific activity	Bq/kg	N	Y
Flora	Plant indicators			6000000	Specific activity	Bq/kg	N	Y
		Needles		6030000	Specific activity	Bq/kg	N	Y
		Leaves		6020000	Specific activity	Bq/kg	N	Y
		Lichens		6050000	Specific activity	Bq/kg	N	Y
		Mosses		6040000	Specific activity	Bq/kg	N	Y
		Grass		6010000	Specific activity	Bq/kg	N	Y
		Algae		6060000	Specific activity	Bq/kg	N	Y
		Wood			Specific activity	Bq/kg	N	Y
Food chain		*Food chain*		5000				
	Milk	*Milk*		4400019	Specific activity[3)]	Bq/kg	Y	Y
		Goat milk		3040000	Specific activity	Bq/kg	Y	Y
		Cow milk		3010000	Specific activity	Bq/kg	Y	Y
			Condensed milk	3010900	Specific activity	Bq/kg	N	Y
			Cow's milk - drinking	3010200	Specific activity	Bq/kg	Y	Y
			Cow's milk - raw	3010100	Specific activity	Bq/kg	Y	Y
			Powdered milk	3010700	Specific activity	Bq/kg	Y	Y
			Fermented milk	3010800	Specific activity	Bq/kg	N	Y

[3)] It is also permitted to express as activity concentration in Bq/l for liquid milk.

Level 1 of the division of monitored items	Level 2 of the division of monitored items	Level 3 of the division of monitored items	Level 4 of the division of monitored items	Identifier	Measured quantity	Unit	Measurement for PES	Measurement for NES
		Sheep's milk		3030000	Specific activity	Bq/kg	Y	Y
	Dairy produce	*Dairy produce*		4400018				
		Infant formulae		3020000	Specific activity	Bq/kg	Y	Y
			Infant formula - other	3029800	Specific activity	Bq/kg	Y	Y
			Sunar (baby milk)	3020100	Specific activity	Bq/kg	Y	Y
		Yoghurt		4400015	Specific activity	Bq/kg	N	Y
		Cream		3010600	Specific activity	Bq/kg	N	Y
Food chain	*Dairy produce*	Cheeses		4400017	Specific activity	Bq/kg	N	Y
			Goat's cheeses	3040300	Specific activity	Bq/kg	N	Y
			Cow's cheeses	4400016	Specific activity	Bq/kg	N	Y
			Sheep's cheeses	3030300	Specific activity	Bq/kg	N	Y
		Curd		3010300	Specific activity	Bq/kg	N	Y
	Mixed diet	Mixed diet		4400014				
		Daily diet – proportion		3110900	Activity per day[4)]	Bq/day	N	Y
		Daily diet – restaurants and canteens		4400012	Activity per day	Bq/day	N	Y
		Daily diet – consumer basket		4400013	Activity per day	Bq/day	Y	Y
	Mixed diet items							
		Mushrooms		3120900	Specific activity	Bq/kg	Y	Y
			Flap mushrooms	3120901	Specific activity	Bq/kg	Y	Y

[4)] It is permitted to express as specific activity in Bq/kg.

Level 1 of the division of monitored items	Level 2 of the division of monitored items	Level 3 of the division of monitored items	Level 4 of the division of monitored items	Identifier	Measured quantity	Unit	Measurement for PES	Measurement for NES
			Leaf mushrooms	3120903	Specific activity	Bq/kg	Y	Y
			Industrially grown mushrooms	3120902	Specific activity	Bq/kg	Y	Y
			Mushrooms - other	3120999	Specific activity	Bq/kg	Y	Y
		Berries		3120800				
			Elderberries	3120805	Specific activity	Bq/kg	Y	Y
			Blueberries	3120801	Specific activity	Bq/kg	Y	Y
			Cranberries	3120807	Specific activity	Bq/kg	Y	Y
			Wood strawberries	3120802	Specific activity	Bq/kg	Y	Y
			Rowanberries	3120806	Specific activity	Bq/kg	Y	Y
			Berries - other	3120899	Specific activity	Bq/kg	Y	Y
Food chain	*Mixed diet items*		Raspberries, blackberries wood	3120803	Specific activity	Bq/kg	Y	Y
			Rose hips	3120804	Specific activity	Bq/kg	Y	Y
		Slaughter meat		3060000				
			Poultry meat	3060300	Specific activity	Bq/kg	Y	Y
			Beef and veal meat	3060100	Specific activity	Bq/kg	Y	Y
			Slaughter meat - other	3069900	Specific activity	Bq/kg	Y	Y
			Rabbit meat	4400010	Specific activity	Bq/kg	Y	Y
			Sheep meat	3060400	Specific activity	Bq/kg	Y	Y
			Pig meat	3060200	Specific activity	Bq/kg	Y	Y
			Offal	3060500	Specific activity	Bq/kg	N	Y
		Cereals		4010000				
			Barley	4010400	Specific activity	Bq/kg	Y	Y
			Grain maize	4010600	Specific activity	Bq/kg	Y	Y
			Grain legumes	4010700	Specific activity	Bq/kg	Y	Y

Level 1 of the division of monitored items	Level 2 of the division of monitored items	Level 3 of the division of monitored items	Level 4 of the division of monitored items	Identifier	Measured quantity	Unit	Measurement for PES	Measurement for NES
			Cereals - mixture	4019800	Specific activity	Bq/kg	Y	Y
			Cereals - other	4019900	Specific activity	Bq/kg	Y	Y
			Oat	4010500	Specific activity	Bq/kg	Y	Y
			Wheat	4010100	Specific activity	Bq/kg	Y	Y
			Rice	4400002	Specific activity	Bq/kg	N	Y
			Malt	4010800	Specific activity	Bq/kg	N	Y
			Triticale	4010900	Specific activity	Bq/kg	Y	Y
			Rye	4010300	Specific activity	Bq/kg	Y	Y
		Root crops		4020000				
			Potatoes	4020100	Specific activity	Bq/kg	Y	Y
			Root crops - other	4029900	Specific activity	Bq/kg	N	Y
			Sugar beet bulb	4020300	Specific activity	Bq/kg	N	Y
Food chain	*Mixed diet items*	Fruits		4400004				
			Exotic fruits	6060028	Specific activity	Bq/kg	N	Y
			Bush fruits	3120600	Specific activity	Bq/kg	Y	Y
			Canned fruits	3120700	Specific activity	Bq/kg	N	Y
			Fruits - mixture	4400001	Specific activity	Bq/kg	N	Y
			Fruit juices	6060026	Specific activity	Bq/kg	N	Y
			Tree fruits	3120500	Specific activity	Bq/kg	Y	Y
		Food products		4400007				
			Sugar	3110100	Specific activity	Bq/kg	N	Y
			Bread	3110400	Specific activity	Bq/kg	Y	Y
			Honey	3110200	Specific activity	Bq/kg	Y	Y
			Flour	3110300	Specific activity	Bq/kg	Y	Y
			Bakery products	3110500	Specific activity	Bq/kg	Y	Y

Level 1 of the division of monitored items	Level 2 of the division of monitored items	Level 3 of the division of monitored items	Level 4 of the division of monitored items	Identifier	Measured quantity	Unit	Measurement for PES	Measurement for NES
			Beer	3110600	Specific activity	Bq/kg	N	Y
			Wine	3110700	Specific activity	Bq/kg	N	Y
			Flakes	3111000	Specific activity	Bq/kg	Y	Y
		Fish		3100000	Specific activity	Bq/kg	Y	Y
		Eggs		3090000	Specific activity	Bq/kg	N	Y
			Eggs - other	3099900	Specific activity	Bq/kg	N	Y
			Chicken eggs	4400008	Specific activity	Bq/kg	N	Y
		Vegetables		4400006				
			Canned vegetables	3120400	Specific activity	Bq/kg	Y	Y
			Root vegetables	3120300	Specific activity	Bq/kg	Y	Y
			Leaf vegetables	3120100	Specific activity	Bq/kg	Y	Y
			Fruit vegetables	3120200	Specific activity	Bq/kg	Y	Y
			Vegetables - mixture	4400005	Specific activity	Bq/kg	N	Y
		Game meat		3070000				
Food chain	*Mixed diet items*		Wild boar	3070300	Specific activity	Bq/kg	Y	Y
			Deer	3070200	Specific activity	Bq/kg	Y	Y
			Mouflon	4400009	Specific activity	Bq/kg	Y	Y
			Feathered game	3070400	Specific activity	Bq/kg	Y	Y
			Roebuck	3070100	Specific activity	Bq/kg	Y	Y
			Game meat - other	3079900	Specific activity	Bq/kg	Y	Y

Table C_2: Details on the monitored items in the sparse network

Monitored item	Sampling site	Identifier	Longitude [°]	Latitude [°]	Measured physical quantity/unit	Radionuclide	Sample measurement procedure	Sampling site operator	Frequency of sampling
Aerosol	Praha – Bartoškova	1088	14.451667	50.061667	Activity concentration Bq/m^3	^{137}Cs, ^{7}Be	VDI- G	National Radiation Protection Institute	Week
Surface water	Morava - Moravský Svatý Ján	1038	16.934519	48.603147	Activity concentration Bq/l	^{137}Cs	SOP RA6	T. G. Masaryk Water Research Institute	Quarter
Drinking water	Jesenice	6932	14.517296	49.971989	Activity concentration Bq/l	^{3}H	VDI- H	National Radiation Protection Institute	Quarter
						^{90}Sr	VDI- Sr		
						^{137}Cs	VDI- G		
Milk	Ostrava - Martinov - dairy	4032	18.178472	49.856656	Activity concentration Bq/l	^{137}Cs, ^{40}K	VDI- G	National Radiation Protection Institute	Quarter
						^{90}Sr	VDI- Sr		
Mixed diet	Prague Region	1019	14.465898	50.070725	Activity per day Bq/d	^{137}Cs	VDI- G	National Radiation Protection Institute	Half year
						^{90}Sr	VDI- Sr		
Mixed diet	Central Bohemian Region	1118	14.763352	49.989205	Activity per day Bq/d	^{137}Cs	VDI- G	National Radiation Protection Institute	Half year
						^{90}Sr	VDI- Sr		

Table C_3.1: Details on monitored item: atmosphere/air – network for external and internal exposure (network of environmental sampling including discharges)

Monitored item	Measured physical quantity	Unit	Sample measurement procedure	Radionuclides
Aerosols	Activity concentration	Bq/m^3	VDI- G	^{137}Cs, ^{7}Be, ^{40}K, ^{201}Pb, ^{131}I
Aerosols	Activity concentration	Bq/m^3	VDI- Sr	^{90}Sr
Aerosols	Activity concentration	Bq/m^3	ČSN 75 7612 (BETA)	Beta-emitting radionuclides
Aerosols	Activity concentration	Bq/m^3	VDI - TRU	^{238}Pu, ^{239}Pu + ^{240}Pu
Aerosols	Activity concentration	Bq/m^3	National Institute for Nuclear, Chemical and Biological Protection 1	Mixture of long-lived radionuclides of uranium-radium series [5)]
Gaseous forms	Activity concentration	Bq/m^3	VDI- H	^{3}H
Gaseous forms	Activity concentration	Bq/m^3	VDI- G	^{131}I
Gaseous forms	Activity concentration	Bq/m^3	VDI -C	^{14}C
Gaseous forms	Activity concentration	Bq/m^3	VDI- Kr	^{85}Kr
Fallouts	Surface activity	Bq/m^2	VDI- G	^{137}Cs, ^{7}Be, ^{40}K, ^{201}Pb
Fallouts	Surface activity	Bq/m^2	ČSN 75 7612 (BETA)	Beta-emitting radionuclides
Discharges to the air /gaseous forms [6)]	Activity concentration	Bq/m^3	VDI- G	^{85}Kr, ^{133}Xe, ^{131}I, ^{41}Ar
Discharges to the air /gaseous forms [6)]	Activity concentration	Bq/m^3	VDI- H, VDI - C	^{3}H, ^{14}C
Discharges to the air /aerosols [6)]	Activity concentration	Bq/m^3	VDI- G	^{137}Cs, ^{131}I, ^{60}Co
Discharges to the air /aerosols [6)]	Activity concentration	Bq/m^3	VDI - TRU	^{239}Pu + ^{240}Pu, ^{241}Am
Discharges to the air /aerosols [6)]	Activity concentration	Bq/m^3	VDI- Sr	^{90}Sr
Discharges to the air /aerosols [6)]	Activity concentration	Bq/m^3	ALS	Uranium

[5)] It refers to the measurement in the local network - heaps, waste ponds as shown in Table 8 of Annex 3 to Decree No. 360/2016 Coll.
[6)] For discharges to the air, a key nuclide for nuclear installations is listed in Table 1 of Annex 6 to Decree No. 360/2016 Coll.

Table C3.1a: Monitored item: atmosphere/air – permanent sampling sites – network for external and internal exposure (network of environmental sampling), territorial network

Monitored item	Sampling site	Identifier	Longitude [°]	Latitude [°]	Altitude [m]	Sampling site operator	Frequency of sampling
Aerosols	Brno - Arboretum	1002	16.614683	49.214431	237	RC Brno	Week
Aerosols	České Budějovice - U nemocnice	1265	14.466093	48.961785	389	RC České Budějovice	Week
Aerosols	Holešov - Airport	1326	17.570000	49.320556	222	CHMI	Week
Aerosols	Hradec Králové - Piletice	1332	15.866970	50.240792	237	RC Hradec Králové	Week
Aerosols	Cheb - weather station	1338	12.391389	50.068333	483	CHMI	Week
Aerosols	Kamenná	1011	13.997399	49.625291	540	RC Kamenná	Week
Aerosols	Ostrava - Syllabova	1069	18.250531	49.809737	232	RC Ostrava	Week
Aerosols	Plzeň - Klatovská	1076	13.361853	49.725812	343	RC Plzeň	Week
Aerosols	Prague - Bartoškova	1088	14.451667	50.061667	206	National Radiation Protection Institute	Week
Aerosols	Ústí nad Labem - Habrovice	1129	13.998363	50.707496	272	RC Hradec Králové	Week
Gaseous forms / iodines	Brno - Arboretum	1002	16.614683	49.214431	237	RC Brno	Month
Gaseous forms / iodines	České Budějovice - U nemocnice	1265	14.466093	48.961785	389	RC České Budějovice	Month
Gaseous forms / iodines	Holešov - Airport	1326	17.570000	49.320556	222	CHMI	Month
Gaseous forms / iodines	Hradec Králové - Piletice	1332	15.866970	50.240792	237	RC Hradec Králové	Month
Gaseous forms / iodines	Cheb - weather station	1338	12.391389	50.068333	483	CHMI	Month
Gaseous forms / iodines	Kamenná	1011	13.997399	49.625291	540	RC Kamenná	Month
Gaseous forms / iodines	Ostrava - Syllabova	1069	18.250531	49.809737	232	RC Ostrava	Month
Gaseous forms / iodines	Plzeň - Klatovská	1076	13.361853	49.725812	343	RC Plzeň	Month
Gaseous forms / iodines	Prague - Bartoškova	1088	14.451667	50.061667	206	National Radiation Protection Institute	Month
Gaseous forms / iodines	Ústí nad Labem - Habrovice	1129	13.998363	50.707496	272	RC Hradec Králové	Month
Gaseous forms / tritium	Prague - Bartoškova	2095	14.451667	50.061667	206	National Radiation Protection Institute	Month

Monitored item	Sampling site	Identifier	Longitude [°]	Latitude [°]	Altitude [m]	Sampling site operator	Frequency of sampling
Gaseous forms / carbon	Prague - Bartoškova	11028	14.451940	50.061671	206	National Radiation Protection Institute	Month
Gaseous forms / noble gases	Prague - Na Truhlářce	10760	14.460832	0.116453	240	National Radiation Protection Institute	Quarter
Fallout	Brno - Arboretum	1004	16.616400	49.213200	237	RC Brno	Month
Fallout	České Budějovice - U nemocnice	1267	14.466093	48.961785	389	RC České Budějovice	Month
Fallout	Hradec Králové - Piletice	1334	15.866970	50.240792	237	RC Hradec Králové	Month
Fallout	Kamenná	1013	13.997399	49.625291	540	RC Kamenná	Month
Fallout	Ostrava - Syllabova	1071	18.250531	49.809737	232	RC Ostrava	Month
Fallout	Plzeň - Klatovská	1078	13.361853	49.725812	343	RC Plzeň	Month
Fallout	Prague - Bartoškova	1085	14.451667	50.061667	206	National Radiation Protection Institute	Month
Fallout	Prague - Vypich	1092	14.343333	50.083333	372	National Radiation Protection Institute	Month
Fallout	Ústí nad Labem - Habrovice	1131	13.998363	50.707496	272	RC Ústí nad Labem	Month

Note:

Sampling and measurements are carried out by measurement laboratories of the National Radiation Protection Institute.

Table C_3.1b: Monitored item: atmosphere/air – permanent sampling sites – network for external and internal exposure (network of environmental sampling), local network

Monitored item	Sampling site	Identifier [7)]	Longitude [°]	Latitude [°]	Altitude [m]	Sampling site operator	Frequency of sampling
Aerosols	Brod (B-2)		14.012047	49.660971	521	DIAMO SUL	Month
Aerosols	Břevniště – čp. 57		14.864400	50.710600	326	DIAMO TÚU	Month
Aerosols	Bytíz		14.073699	49.681935	514	DIAMO SUL	Month
Aerosols	Česká Lhota		14.281348	49.099218	388	DIAMO SUL	Month
Aerosols	Dolní Rožínka		16.209017	49.480700	526	DIAMO GEAM	Month
Aerosols	Dubenec		14.081166	49.696667	457	DIAMO SUL	Month
Aerosols	Dubnice – no. 12		14.805710	50.717600	308	DIAMO TÚU	Month
Aerosols	Dvořiště		16.232883	49.485867	481	DIAMO GEAM	Month
Aerosols	Háje		14.047115	49.672902	576	DIAMO SUL	Month
Aerosols	Hamr n. J. – ZBZS		14.840810	50.702360	318	DIAMO TÚU	Month
Aerosols	Kamenná		13.993398	49.623380	520	DIAMO SUL	Month
Aerosols	Lešetice		14.018380	49.647020	525	DIAMO SUL	Month
Aerosols	Mydlovary		14.354210	49.092663	407	DIAMO SUL	Month
Aerosols	Narysov - Na Výfuku		13.974446	49.649737	570	DIAMO SUL	Month
Aerosols	Noviny p. R. – no. 75		14.752610	50.692000	289	DIAMO TÚU	Month
Aerosols	Olešník		14.367082	49.106747	417	DIAMO SUL	Month
Aerosols	Osečná – no. 136		14.920270	50.696660	369	DIAMO TÚU	Month
Aerosols	Příbram - Sázky		14.016982	49.678285	506	DIAMO SUL	Month
Discharges to the air/aerosols	Rožná Waste Pond K		16.226450	49.492733	539	DIAMO GEAM	Month
Discharges to the air/aerosols	Rožná Discharge		16.208833	49.485833	551	DIAMO GEAM	Month
Discharges to the air/aerosols	Rožná Discharge		16.223900	49.474250	490	DIAMO GEAM	Month
Aerosols	Rozsochy		16.204350	49.517717	508	DIAMO GEAM	Month
Aerosols	Rožná		16.245883	49.473667	454	DIAMO GEAM	Month

[7)] The missing identifier will be completed by the Data Centre before first data transfer to the MonRaS.

Monitored item	Sampling site	Identifier [7)]	Longitude [°]	Latitude [°]	Altitude [m]	Sampling site operator	Frequency of sampling
Aerosols	Stráž p. R. – police		14.800470	50.703770	308	DIAMO TÚU	Month
Discharges to the air/aerosols	Drying plant UK		14.790930	50.679060	332	DIAMO TÚU	Four times a year
Discharges to the air/aerosols	Waste pond – centre		14.772980	50.710140	328	DIAMO TÚU	Month
Aerosols	Útěchovice – no. 5		14.839390	50.710100	324	DIAMO TÚU	Month
Aerosols	Zbudov		14.311015	49.093106	389	DIAMO SUL	Month
Discharges to the air/aerosols	Dukovany NPP VK I	1289	16.145928	49.085926	390	Dukovany NPP	Four times a year
Discharges to the air/aerosols	Dukovany NPP VK II	1295	16.150036	49.084788	390	Dukovany NPP	Four times a year
Discharges to the air/aerosols	Temelin NPP VK 11	2182	14.377057	49.180075	497	Temelín NPP	Twice a year
Discharges to the air/aerosols	Temelin NPP VK 12	2184	14.377057	49.180075	497	Temelín NPP	Once a year
Discharges to the air/aerosols	Temelin NPP VK 21	2185	14.375046	49.18073	497	Temelín NPP	Twice a year
Discharges to the air/aerosols	Temelin NPP VK 22	2187	14.375046	49.18073	497	Temelín NPP	Once a year
Discharges to the air/aerosols	Temelin NPP VK BAPP	2188	14.376564	49.182195	497	Temelín NPP	Once a year
Discharges to the air/gaseous forms/noble gases	Dukovany NPP VK I	1291	16.145928	49.085926	390	Dukovany NPP	Twice a year
Discharges to the air/gaseous forms/noble gases	Dukovany NPP VK II	1293	16.150036	49.084788	390	Dukovany NPP	Twice a year
Discharges to the air/gaseous forms/noble gases	Temelin NPP VK 11	1301	14.377057	49.180075	497	Temelín NPP	Twice a year
Discharges to the air/gaseous forms/noble gases	Temelin NPP VK 12	1305	14.377057	49.180075	497	Temelín NPP	Once a year
Discharges to the air/gaseous forms/noble gases	Temelin NPP VK 21	1309	14.375046	49.18073	497	Temelín NPP	Twice a year
Discharges to the air/gaseous forms/noble gases	Temelin NPP VK 22	1313	14.375046	49.18073	497	Temelín NPP	Once a year

Monitored item	Sampling site	Identifier [7)]	Longitude [°]	Latitude [°]	Altitude [m]	Sampling site operator	Frequency of sampling
Discharges to the air/gaseous forms/noble gases	ÚJV ŘEŽ - VK	2195	14.368530	50.179712	200	ÚJV Řež	Once a year
Discharges to the air/gaseous forms/iodines	Dukovany NPP VK I	1348	16.145928	49.085926	390	Dukovany NPP	Four times a year
Discharges to the air/gaseous forms/iodines	Dukovany NPP VK II	1296	16.150036	49.084788	390	Dukovany NPP	Four times a year
Discharges to the air/gaseous forms/iodines	Temelin NPP VK 11	1302	14.377057	49.180075	497	Temelín NPP	Twice a year
Discharges to the air/gaseous forms/iodines	Temelin NPP VK 12	1306	14.377057	49.180075	497	Temelín NPP	Once a year
Discharges to the air/gaseous forms/iodines	Temelin NPP VK 21	1310	14.375046	49.18073	497	Temelín NPP	Twice a year
Discharges to the air/gaseous forms/iodines	Temelin NPP VK 22	1314	14.375046	49.18073	497	Temelín NPP	Once a year
Discharges to the air/gaseous forms/tritium	Dukovany NPP VK I	1290	16.145928	49.085926	390	Dukovany NPP	Four times a year
Discharges to the air/gaseous forms/tritium	Dukovany NPP VK II	1297	16.150036	49.084788	390	Dukovany NPP	Four times a year
Discharges to the air/gaseous forms/tritium	Temelin NPP VK 11	1304	14.377057	49.180075	497	Temelín NPP	Twice a year
Discharges to the air/gaseous forms/tritium	Temelin NPP VK 12	1308	14.377057	49.180075	497	Temelín NPP	Once a year
Discharges to the air/gaseous forms/tritium	Temelin NPP VK 21	1312	14.375046	49.18073	497	Temelín NPP	Twice a year
Discharges to the air/gaseous forms/tritium	Temelin NPP VK 22	1316	14.375046	49.18073	497	Temelín NPP	Once a year
Discharges to the air/gaseous forms/tritium	Temelin NPP VK BAPP	1320	14.376564	49.182195	497	Temelín NPP	Once a year
Discharges to the air/gaseous forms/carbon	Dukovany NPP VK I	1292	16.145928	49.085926	390	Dukovany NPP	Four times a year
Discharges to the air/gaseous forms/carbon	Dukovany NPP VK II	1294	16.150036	49.084788	390	Dukovany NPP	Four times a year

Monitored item	Sampling site	Identifier [7)]	Longitude [°]	Latitude [°]	Altitude [m]	Sampling site operator	Frequency of sampling
Discharges to the air/gaseous forms/carbon	Temelin NPP VK 11	1303	14.377057	49.180075	497	Temelín NPP	Twice a year
Discharges to the air/gaseous forms/carbon	Temelin NPP VK 12	1307	14.377057	49.180075	497	Temelín NPP	Once a year
Discharges to the air/gaseous forms/carbon	Temelin NPP VK 21	1311	14.375046	49.18073	497	Temelín NPP	Twice a year
Discharges to the air/gaseous forms/carbon	Temelin NPP VK 22	1315	14.375046	49.18073	497	Temelín NPP	Once a year
Discharges to the air/gaseous forms/carbon	Temelin NPP VK BAPP	1319	14.376564	49.182195	497	Temelín NPP	Once a year
Discharges to the air/gaseous forms/noble gases	ÚJV ŘEŽ - VK	2195	14.368530	50.179712	200	ÚJV	Once a year
Fallout	Bílá Hůrka	1242	14.307136	49.155972	420	RC České Budějovice	Month
Fallout	Dukovany	1277	16.189200	49.075400	358	RC Brno	Month
Fallout	Hosty	1329	14.376559	49.258486	471	RC České Budějovice	Month
Fallout	Chlumec	1340	14.405814	49.117570	462	RC České Budějovice	Month
Fallout	Litoradlice	1026	14.422731	49.173170	433	RC České Budějovice	Month
Fallout	Moravský Krumlov	1042	16.301000	49.044600	287	RC Brno	Month
Fallout	Plástovice	1073	14.309342	49.072256	390	RC České Budějovice	Quarter
Fallout	Zálužice	1234	14.390036	49.041636	385	RC České Budějovice	Quarter

Notes:

The sampling site of the operator RC Brno and RC České Budějovice falls within the local network of the area surrounding the nuclear power installation. Sampling and measurements are carried out by laboratories of the National Radiation Protection Institute.

The sampling site of the operator Dukovany NPP, Temelín NPP falls within the local network of the site of the nuclear power installation. Sampling is carried out by staff of RC Brno and RC České Budějovice, measurement is carried out by laboratories of the National Radiation Protection Institute.

The sampling site of the operator ÚJV falls within the local network of the site of the nuclear installation. Sampling and measurements are carried out by laboratories of the National Radiation Protection Institute.
The sampling site of the operator DIAMO falls within the local network - heaps, waste ponds as shown in Table 8 of Annex 3 to Decree No. 360/2016 Coll.

Table C_3.2: Details on monitored item: pedosphere/soil – network for external and internal exposure (network of environmental sampling)

Monitored item	Measured physical quantity	unit	Sample measurement procedure	Radionuclide
Ground cover and snow [8)]	Surface activity	Bq/m^2	VDI - G	^{137}Cs
Soil and ground cover	Specific activity	Bq/kg	VDI - G	^{40}K and natural radionuclides
	Surface activity	Bq/m^2		^{137}Cs
Soils – in situ	Specific activity	Bq/kg	Spectrometry in situ [9)]	^{40}K and natural radionuclides
	Surface activity	Bq/m^2		^{137}Cs

Permanent sampling sites are not determined within the territorial network, the mobile group of the regional centre and the National Radiation Protection Institute are obliged to carry out soil sampling and in-situ measurement once a year (e.g. as part of drill or emergency exercise)

Table C_3.2b: Monitored item: pedosphere/soil – permanent sampling sites – network for external and internal exposure (network of environmental sampling), local network

Monitored item	Sampling site	Identifier	Longitude [°]	Latitude [°]	Altitude [m]	Sampling site operator	Frequency of sampling
Soil and ground cover	Březí u Týna nad Vltavou	3831	14.348747	49.192840	450	RC České Budějovice	Once a year
Soil and ground cover	Dukovany	14962	16.189167	49.075389	358	RC Brno	Once a year
Soils – in situ	Březí u Týna nad Vltavou	12846	14.391250	49.180717	500	RC České Budějovice	Once a year
Soils – in situ	Dukovany	1366	16.194055	49.083639	358	RC Brno	Once a year

Note:
Sample processing and measurement are carried out by laboratories of the National Radiation Protection Institute.

[8)] Ground cover and snow are only sampled in an emergency exposure situation.
[9)] This is not sampling.

Table C_3.3: Details on monitored item: hydrosphere/water – network for external and internal exposure (network of environmental sampling including discharges) – normal monitoring

Monitored item	Measured physical quantity	unit	Sample measurement procedure	Radionuclide
Precipitation	Activity concentration	Bq/l	VDI – H	^{3}H
Drinking water	Activity concentration	Bq/l	VDI – G, SOP RA6	^{137}Cs
			VDI – Sr, SOP RA9	^{90}Sr
			VDI – H, SOP RA7	^{3}H
Surface water	Activity concentration	Bq/l	ČSN 75 7611 (ALPHA)	Alpha-emitting radionuclides
			ČSN 75 7612 (BETA)	Beta-emitting radionuclides
			VDI – G, SOP RA6	^{137}Cs
			VDI – H, SOP RA7	^{3}H
			VDI – Sr, SOP RA9	^{90}Sr
			GEAM o.z. 1	^{226}Ra
			GEAM o.z. 2	U_{nat},
Ground supply water	Activity concentration	Bq/l	VDI – G	^{137}Cs
			VDI – H	^{3}H
			GEAM o.z. 1	Unat
			GEAM o.z. 2	^{226}Ra
Discharges to the watercourses	Activity concentration	Bq/m^3	VDI – H	^{3}H
			VDI – G	^{60}Co, ^{137}Cs
			VDI – Sr	^{90}Sr
			ČSN 75 7612 (BETA)	Beta-emitting radionuclides
			VDI - TRU	^{239}Pu+^{240}Pu, ^{24}1Am
			ČSN 75 7611 (ALPHA)	Alpha-emitting radionuclides
			GEAM o.z. 1	^{226}Ra
			GEAM o.z. 2	Unat

Table C_3.3a: Monitored item: hydrosphere/water – permanent sampling sites – network for external and internal exposure (network of environmental sampling), territorial network

Monitored item	Sampling site	Identifier	Longitude [°]	Latitude [°]	Altitude [m]	Sampling site operator	Frequency of sampling
Precipitation	Brno - Arboretum	1005	16.616400	49.213200	237	National Radiation Protection Institute	Month
Precipitation	České Budějovice - U nemocnice	1268	14.466093	48.961785	389	National Radiation Protection Institute	Month
Precipitation	Prague - Bartoškova	1090	14.451667	50.061667	206	National Radiation Protection Institute	Month
Drinking water / water supplies	Brno	1001	16.610458	49.200795	210	National Radiation Protection Institute	Once a year
Drinking water / water supplies	České Budějovice	1264	14.466093	48.961785	389	National Radiation Protection Institute	Once a year
Drinking water / water supplies	Hradec Králové	1331	15.866970	50.240792	237	National Radiation Protection Institute	Once a year
Drinking water / water supplies	Plzeň	1075	13.361853	49.725812	343	National Radiation Protection Institute	Once a year
Drinking water / water supplies	Ústí nad Labem	1128	13.998363	50.707496	272	National Radiation Protection	Once a year

Monitored item	Sampling site	Identifier	Longitude [°]	Latitude [°]	Altitude [m]	Sampling site operator	Frequency of sampling
						Institute	
Drinking water/water treatment plants	Frýdlant nad Ostravicí - ÚV	4029	18.359694	49.592778	357	National Radiation Protection Institute	Once a year
Drinking water/water treatment plants	Jizera - Káraný	1010	14.748215	50.176165	176	National Radiation Protection Institute	Quarterly
Drinking water/water treatment plants	Josefův Důl	8758	15.231583	50.781972	400	National Radiation Protection Institute	Once a year
Drinking water/water treatment plants	ÚV Hradiště (VN Přísečnice)	1132	13.210778	50.424667	528	T. G. Masaryk Water Research Institute	Quarterly
Drinking water/water treatment plants	ÚV Hulice (VN Švihov)	1133	15.081689	49.723573	400	T. G. Masaryk Water Research Institute	Quarterly
Drinking water/water treatment plants	ÚV Meziboří (VN Fláje)	1134	13.615500	50.618945	544	T. G. Masaryk Water Research Institute	Quarterly
Drinking water/water treatment plants	ÚV Monaco (VN Křižanovice)	1136	15.802522	49.908642	327	T. G. Masaryk Water Research Institute	Quarterly
Drinking water/water treatment plants	ÚV Plav (VN Římov)	1138	14.493777	48.911722	439	T. G. Masaryk Water Research Institute	Quarterly
Drinking water/water treatment plants	ÚV Podhradí (VN Kružberk)	1140	17.765694	49.804778	362	T. G. Masaryk Water Research Institute	Quarterly
Drinking water/water treatment plants	ÚV Švařec (VN Vír)	1142	16.345583	49.524223	360	T. G. Masaryk Water Research Institute	Quarterly

Monitored item	Sampling site	Identifier	Longitude [°]	Latitude [°]	Altitude [m]	Sampling site operator	Frequency of sampling
Drinking water/water treatment plants	Slatiňany	3989	15.813773	49.921096	200	National Radiation Protection Institute	Once a year
Drinking water/water treatment plants	Vítkov - Podhradí - ÚV	4037	17.749472	49.774444	480	National Radiation Protection Institute	Once a year
Drinking water/water treatment plants	Vír	7094	16.323590	49.557384	250	National Radiation Protection Institute	Once a year
Drinking water/water treatment plants	Želivka - Jesenice	6932	14.517296	49.971989	400	National Radiation Protection Institute	Quarterly
Surface water / water-supply reservoirs	VN Fláje (Flájský potok)	1253	13.589389	50.679417	690	T. G. Masaryk Water Research Institute	Quarterly [10)]
Surface water / water-supply reservoirs	VN Kružberk (Moravice)	1256	17.610250	49.864444	432	T. G. Masaryk Water Research Institute	Quarterly [10)]
Surface water / water-supply reservoirs	VN Křižanovice (Chrudimka)	1149	15.775459	49.862875	397	T. G. Masaryk Water Research Institute	Quarterly [10)]
Surface water / water-supply reservoirs	VN Přísečnice (Přísečnický potok)	1152	13.134916	50.488194	723	T. G. Masaryk Water Research Institute	Quarterly [10)]
Surface water / water-supply reservoirs	VN Římov (Malše)	1153	14.487064	48.849644	449	T. G. Masaryk Water Research Institute	Quarterly [10)]

[10)] Determination of ^{3}H and ^{137}Cs on a quarterly basis, determination of ^{90}Sr – once a year.

Monitored item	Sampling site	Identifier	Longitude [°]	Latitude [°]	Altitude [m]	Sampling site operator	Frequency of sampling
Surface water / water-supply reservoirs	VN Švihov (Želivka)	1156	15.094866	49.725050	374	T. G. Masaryk Water Research Institute	Quarterly [10)]
Surface water / water-supply reservoirs	VN Vír (Svratka)	1157	16.308972	49.564611	419	T. G. Masaryk Water Research Institute	Quarterly [10)]
Surface water / watercourses	Labe - Hřensko	1023	14.235939	50.874073	115	T. G. Masaryk Water Research Institute	Quarterly [10)]
Surface water / watercourses	Morava - Moravský Svatý Ján	1038	16.934519	48.603147	150	T. G. Masaryk Water Research Institute	Quarterly [10)]
Surface water / watercourses	Odra - Bohumín	1051	18.327084	49.920000	200	T. G. Masaryk Water Research Institute	Quarterly [10)]
Surface water / watercourses	Vltava - Prague - Podolí	1251	14.415056	50.052861	180	T. G. Masaryk Water Research Institute	Weekly [11)]

[11)] Determination of ^{3}H on a weekly basis.

Table C_3.3b: Monitored item: hydrosphere/water – permanent sampling sites – network for external and internal exposure (network of environmental sampling), local network

Monitored item	Identifier[12)]	Sampling site	Longitude [°]	Latitude [°]	Altitude [m]	Sampling site operator	Frequency of sampling
Precipitation	1243	Bílá Hůrka	14.307136	49.155972	420	RC ČB	Month
Precipitation	1278	Dukovany	16.189200	49.075400	358	RC BM	Month
Precipitation	1330	Hosty	14.376559	49.258486	471	RC ČB	Month
Precipitation	1341	Chlumec	14.405814	49.117570	462	RC ČB	Month
Precipitation	1027	Litoradlice	14.422731	49.173170	433	RC ČB	Month
Precipitation	1043	Moravský Krumlov	16.301000	49.044600	287	RC BM	Month
Precipitation	1074	Plástovice	14.309342	49.072256	390	RC ČB	3 months
Precipitation	1235	Zálužice	14.390036	49.041636	385	RC ČB	3 months
Drinking water	1344	Ivančice	16.223900	49.060510	238	RC BM	Four times a year
Ground supply water		Licoměřice, st. Halama	15.555483	49.916183	365	DIAMO GEAM	Once a year
Ground supply water		Licoměřice, Tuchov – st. Rolenc	15.542467	49.909167	298	DIAMO GEAM	Once a year
Ground supply water		Pucov, Jasenice – st. Havlát	16.206150	49.256167	529	DIAMO GEAM	Once a year
Ground supply water		Pucov, Naloučany – st. Kurchan	16.134050	49.235983	367	DIAMO GEAM	Once a year
Ground supply water		Rožná, st. Nečasánek	16.241483	49.471400	485	DIAMO GEAM	Once a year
Ground supply water		Rožná, Bukov - at school	16.223500	49.454350	518	DIAMO GEAM	Once a year
Ground supply water		Rožná, D.Rožínka - at school	16.206150	49.475067	499	DIAMO GEAM	Once a year
Surface water / reservoirs	1244	Bílá Hůrka	14.298250	49.152778	420	RC ČB	Once a year
Surface water / reservoirs	1006	Březí u Týna nad Vltavou - Hůrecký rybník	14.395611	49.172361	461	RC ČB	Once a year
Surface water / reservoirs	1257	Březí u Týna nad Vltavou - below the castle	14.387277	49.182584	488	RC ČB	Once a year
Surface water / reservoirs	1258	Březník	16.198100	49.171400	360	RC BM	Once a year

[12)] The missing identifier will be completed by the Data Centre before first data transfer to the MonRaS.

Monitored item	Identifier[12)]	Sampling site	Longitude [°]	Latitude [°]	Altitude [m]	Sampling site operator	Frequency of sampling
Surface water / reservoirs	1261	Býšov retention basin	14.401139	49.154972	433	RC ČB	Monthly
Surface water / reservoirs	1281	Dukovany	16.188500	49.078167	358	RC BM	Once a year
Surface water / reservoirs	1321	Hartvíkovice	16.088400	49.172300	451	RC BM	Once a year
Surface water / reservoirs	1328	Horní Kounice	16.156000	49.025834	360	RC BM	Once a year
Surface water / reservoirs	1335	Hrotovice	16.054167	49.110556	433	RC BM	Once a year
Surface water / reservoirs	1022	Křtěnov	14.380445	49.189666	502	RC ČB	Once a year
Surface water / reservoirs	1024	Lhota pod Horami	14.321139	49.183777	438	RC ČB	Once a year
Surface water / reservoirs	1030	Medlice	16.124600	49.004900	359	RC BM	Once a year
Surface water / reservoirs	1034	Mohelno	16.183500	49.115333	382	RC BM	Once a year
Surface water / reservoirs	1047	Nákří	14.327695	49.118084	404	RC ČB	Once a year
Surface water / reservoirs	1048	Neznašov	14.377389	49.229889	415	RC ČB	Once a year
Surface water / reservoirs	1080	PN Dalešice - Hartvíkovice	16.076500	49.164944	389	RC BM	Monthly
Surface water / reservoirs	1081	PN Dalešice - dam	16.121700	49.128000	360	RC BM	Monthly
Surface water / reservoirs	1082	PN Kořensko	14.381000	49.240583	365	RC ČB	Monthly
Surface water / reservoirs	1083	PN Mohelno	16.131584	49.120389	300	RC BM	Monthly
Surface water / reservoirs	1084	PN Mohelno - ČS	16.152083	49.097639	298	RC BM	Monthly
Surface water / reservoirs	1093	Radkovice u Hrotovic	16.007400	49.070900	449	RC BM	Once a year
Surface water / reservoirs	1094	Rešice	16.173600	49.056030	308	RC BM	Once a year
Surface water / reservoirs	1099	Rouchovany	16.112500	49.067700	370	RC BM	Once a year
Surface water / reservoirs	1106	Slavětice	16.109200	49.103400	381	RC BM	Once a year
Surface water / reservoirs	1125	Tulešice	16.205500	49.038833	289	RC BM	Once a year
Surface water / reservoirs	1144	Valeč	16.035167	49.146500	446	RC BM	Once a year
Surface water / watercourses		Dubnický potok	14.799230	50.708620	302	DIAMO TÚU	Quarterly
Surface water / watercourses		Eliášský potok - Zálesí	12.874145	50.365665	722	DIAMO SUL	Twice a year
Surface water / watercourses		Ještědský potok	14.812720	50.705210	306	DIAMO TÚU	Quarterly

Monitored item	Identifier[12)]	Sampling site	Longitude [°]	Latitude [°]	Altitude [m]	Sampling site operator	Frequency of sampling
Surface water / watercourses	1345	Jihlava - Ivančice	16.361917	49.094027	205	RC BM	Monthly
Surface water / watercourses	9860	Jihlava - Ivančice Za Mostem	16.387400	49.098200	198	RC BM	Monthly
Surface water / watercourses	1346	Jihlava - Mohelno	16.195400	49.099200	295	RC BM	Monthly
Surface water / watercourses	1347	Jihlava - Vladislav	15.991800	49.209400	383	RC BM	Monthly
Surface water / watercourses	1065	Olešná - Rešice	16.095700	49.025690	315	RC BM	Once a year
Surface water / watercourses		Ploučnice - Chrastná	14.903440	50.697870	351	DIAMO TÚU	Month
Surface water / watercourses		Ploučnice - Noviny p.R.	14.760880	50.687690	288	DIAMO TÚU	Month
Surface water / watercourses		Rolava below the waste pond	12.717171	50.335697	767	DIAMO SUL	Twice a year
Surface water / watercourses		Ústaleč - creek below the waste pond	13.514723	49.323265	502	DIAMO SUL	Twice a year
Surface water / watercourses	1248	Vltava - Hladná	14.336777	49.262611	358	RC ČB	Monthly
Surface water / watercourses	1249	Vltava - Hněvkovice	14.444222	49.183416	371	RC ČB	Monthly
Surface water / watercourses	11024	Vltava - Husinec	14.365875	50.170292	188	National Radiation Protection Institute	Quarterly
Surface water / watercourses	1250	Vltava - Kořensko	14.377806	49.239639	363	RC ČB	Monthly
Surface water / watercourses	11026	Vltava - Máslovice	14.364615	50.204402	188	National Radiation Protection Institute	Quarterly
Surface water / watercourses	1252	Vltava - Újezd	14.350639	49.244500	358	RC ČB	Monthly

Monitored item	Identifier[12)]	Sampling site	Longitude [°]	Latitude [°]	Altitude [m]	Sampling site operator	Frequency of sampling
Surface water		Brzkov, BRZ no.3	15.727933	49.533233	527	DIAMO GEAM	Twice a year
Surface water		Brzkov, BRZ no.18	15.746967	49.535700	521	DIAMO GEAM	Twice a year
Surface water		Brzkov, BRZ no.19	15.748750	49.546483	491	DIAMO GEAM	Twice a year
Surface water		Javorník, JAV 1	16.976100	50.381717	359	DIAMO GEAM	Twice a year
Surface water		Javorník, JAV 2	17.033167	50.403067	252	DIAMO GEAM	Twice a year
Surface water		Jelení vrch, JEVR	16.899700	50.410233	599	DIAMO GEAM	Once a year
Surface water		Kamenec, KAM	16.413250	50.261967	781	DIAMO GEAM	Once a year
Surface water		Líšná	16.156233	49.646267	582	DIAMO GEAM	Once a year
Surface water		Říčky	16.439233	50.231833	807	DIAMO GEAM	Once a year
Surface water		OK-ZAH	14.801020	50.695850	299	DIAMO TÚU	Five times a year
Ground supply water		Dukovany NPP boreholes [13)]				Dukovany NPP	Once a year
Ground supply water		Temelín NPP boreholes				Temelín NPP	Once a year
Discharges to the watercourse	1283	Dukovany NPP BAP I	16.145517	49.087135	391	Dukovany NPP	Monthly
Discharges to the watercourse	1284	Dukovany NPP BAP II	16.149792	49.086068	390	Dukovany NPP	Monthly
Discharges to the watercourse	1298	Temelin NPP BAP	14.375993	49.181850	495	Temelín NPP	Monthly
Discharges to the watercourse	1286	Dukovany NPP OK	16.145331	49.092119	380	Dukovany NPP	weekly
Discharges to the watercourse	1299	Temelín NPP OK	14.370767	49.239513	499	Temelín NPP	2 weeks
Discharges to the watercourse		OKC-VS	14.796530	50.694760	293	DIAMO TÚU	Week
Discharges to the watercourse		SLKR-VS	14.769780	50.688390	290	DIAMO TÚU	Week

[13)] The particular boreholes in the calendar year are selected for independent monitoring by SÚJB inspector.

Monitored item	Identifier[12)]	Sampling site	Longitude [°]	Latitude [°]	Altitude [m]	Sampling site operator	Frequency of sampling
Discharges to the watercourse		ODK-VS	14.788760	50.702890	297	DIAMO TÚU	Week
Discharges to the watercourse		Outlet from the Mine Water Treatment Plant Příbram I	14.063966	49.688725	495	DIAMO SUL	Three times a week
Discharges to the watercourse		Outlet from the Mine Water Treatment Plant Příbram II	14.100066	49.697216	442	DIAMO SUL	Three times a week
Discharges to the watercourse		Zadní Chodov - inlet into the Hamerský potok	12.643179	49.882617	509	DIAMO SUL	Twice a week
Discharges to the watercourse		Vítkov - outflow from the O-9 zone	12.685324	49.802584	461	DIAMO SUL	Monthly
Discharges to the watercourse		Outlet from the Mine Water Treatment Plant Okrouhlá Radouň	15.027871	49.233263	530	DIAMO SUL	Once a week (during operation)
Discharges to the watercourse		Outlet from the Mine Water Treatment Plant Horní Slavkov	12.777187	50.160744	460	DIAMO SUL	Three times a week
Discharges to the watercourse		Slavkovice - Petrovice	16.040550	49.548917	561	DIAMO GEAM	Quarterly
Discharges to the watercourse		Licoměřice	15.549933	49.913617	324	DIAMO GEAM	Twice a month
Discharges to the watercourse		Pucov	16.158367	49.249250	449	DIAMO GEAM	Twice a month
Discharges to the watercourse		Olší - Drahonín	16.283567	49.417417	450	DIAMO GEAM	Day/U_{nat}, week/^{226}Ra
Discharges to the watercourse		Rožná DS R1	16.219233	49.488417	531	DIAMO GEAM	
Discharges to the watercourse		Rožná DS Bukov	16.230083	49.457550	544	DIAMO GEAM	
Discharges to the watercourse		Rožná Parking Lot SD	16.209517	49.470617	498	DIAMO GEAM	
Discharges to the watercourse		Rožná ČVAK	16.227850	49.493317	518	DIAMO GEAM	
Discharges to the watercourse		Rožná ČKV	16.227850	49.493317	518	DIAMO GEAM	

Notes:

The sampling sites of the operator RC Brno and RC České Budějovice fall within the local network of the area surrounding the nuclear power installation. Sampling and measurements are carried out by laboratories of the National Radiation Protection Institute.

The sampling sites of the operator Dukovany NPP, Temelín NPP fall within the local network of the site of the nuclear power installation. Sampling is carried out by staff of RC Brno and RC České Budějovice, measurement is carried out by laboratory of the National Radiation Protection Institute.

The sampling sites of the operator DIAMO fall within the local network - heaps, waste ponds as shown in Table 8 of Annex 3 to Decree No. 360/2016 Coll.

Table C_3.4: Details on monitored item: hydrosphere/sludge – network for external and internal exposure (network of environmental sampling)

Monitored item	Measured physical quantity	Unit	Sample measurement procedure	Radionuclide
Sludge – water-supply sludge	Specific activity	Bq/kg	SOP RA6	^{137}Cs

Table C_3.4a: Monitored item: hydrosphere/sludge – permanent sampling sites – network for external and internal exposure (network of environmental sampling), territorial network

Monitored item	Sampling site	Identifier	Longitude [°]	Latitude [°]	Altitude [m]	Sampling site operator	Frequency of sampling
Sludge – water-supply sludge	ÚV Meziboří (VN Fláje)	1135	13.615500	50.618945	544	T. G. Masaryk Water Research Institute	Once a year
Sludge – water-supply sludge	ÚV Monaco (VN Křižanovice)	1137	15.802522	49.908642	327	T. G. Masaryk Water Research Institute	Once a year
Sludge – water-supply sludge	ÚV Plav (VN Římov)	1139	14.493777	48.911722	439	T. G. Masaryk Water Research Institute	Once a year
Sludge – water-supply sludge	ÚV Podhradí (VN Kružberk)	1141	17.765694	49.804778	362	T. G. Masaryk Water Research Institute	Once a year
Sludge – water-supply sludge	ÚV Švařec (VN Vír)	1143	16.345583	49.524223	360	T. G. Masaryk Water Research Institute	Once a year

Note:
Permanent sampling sites are not determined for the local network.

Table C_3.5: Details on monitored item: hydrosphere/sediments – network for external and internal exposure (network of environmental sampling)

Monitored item	Measured physical quantity	Unit	Sample measurement procedure	Radionuclide
Sediments from reservoirs	Specific activity	Bq/kg	SOP RA6	^{137}Cs

Table C_3.5a: Monitored item: hydrosphere/sediments – permanent sampling sites – network for external and internal exposure (network of environmental sampling), territorial network

Monitored item	Sampling site	Identifier	Longitude [°]	Latitude [°]	Altitude [m]	Sampling site operator	Frequency of sampling
Sediments from reservoirs	VN Kružberk (Moravice)	1147	17.610250	49.864444	432	T. G. Masaryk Water Research Institute	Once a year
Sediments from reservoirs	VN Křižanovice (Chrudimka)	1150	15.775459	49.862875	397	T. G. Masaryk Water Research Institute	Once a year
Sediments from reservoirs	VN Římov (Malše)	1154	14.487064	48.849644	449	T. G. Masaryk Water Research Institute	Once a year
Sediments from reservoirs	VN Vír (Svratka)	1158	16.308972	49.564611	419	T. G. Masaryk Water Research Institute	Once a year
Sediments from reservoirs	VN Fláje (Flájský potok)	1254	13.589389	50.679417	690	T. G. Masaryk Water Research Institute	Once a year

Table C_3.6: Details on monitored item: flora/indicator plants – network for external and internal exposure (network of environmental sampling), territorial and local network

Monitored item	Measured physical quantity	Unit	Sample measurement procedure	Radionuclide
Needles	Specific activity	Bq/kg	VDI –G	^{137}Cs, ^{131}I
Leaves	Specific activity	Bq/kg	VDI –G	^{137}Cs, ^{131}I
Lichens	Specific activity	Bq/kg	VDI –G	^{137}Cs, ^{131}I
Mosses	Specific activity	Bq/kg	VDI –G	^{137}Cs, ^{131}I

Grass	Specific activity	Bq/kg	VDI –G	^{137}Cs, ^{131}I
Algae	Specific activity	Bq/kg	VDI –G	^{137}Cs, ^{131}I

Note:
For monitored item "indicator plants", permanent sampling sites are not determined, monitoring takes place only in an emergency exposure situation at the instructions of the Office.

Table C_4.1: Details on monitored item: food chain/milk, dairy produce – network for internal exposure (network of food chain sampling)

Monitored item	Measured physical quantity	Unit	Sample measurement procedure	Radionuclide
Cow's milk - drinking	Activity concentration (specific activity)	Bq/l (Bq/kg)	VDI –G	^{137}Cs
			VDI - Sr	^{90}Sr
Cow's milk - raw	Activity concentration (specific activity)	Bq/l (Bq/kg)	VDI –G	^{137}Cs
			VDI - Sr	^{90}Sr
Cow's milk - powdered	Specific activity	Bq/kg	VDI –G	^{137}Cs
			VDI - Sr	^{90}Sr
Goat's milk	Activity concentration (specific activity)	Bq/l (Bq/kg)	VDI –G	^{137}Cs
Sheep's milk	Activity concentration (specific activity)	Bq/l (Bq/kg)	VDI –G	^{137}Cs
Dairy produce	Specific activity	Bq/kg	VDI –G	^{137}Cs

Note:
The monitored item Sheep's milk and goat's and dairy produce are not normally monitored in a planned exposure situation.

Table C_4.1a: Monitored item: food chain/milk – permanent sampling sites – network for internal exposure (network of food chain sampling), territorial

Monitored item	Sampling site	Identifier	Longitude [°]	Latitude [°]	Sampling site operator	Frequency of sampling
Cow's milk - drinking	South Bohemia	2213	14.699336	49.205153	National Radiation Protection Institute	Twice a year
Cow's milk - drinking	South Moravia	2243	16.648769	49.173628	National Radiation	Twice a year

Monitored item	Sampling site	Identifier	Longitude [°]	Latitude [°]	Sampling site operator	Frequency of sampling
					Protection Institute	
Cow's milk - drinking	Prague and Central Bohemian Region	2252	14.440933	50.063969	National Radiation Protection Institute	Twice a year
Cow's milk - drinking	North Moravia	2276	18.197722	49.799278	National Radiation Protection Institute	Twice a year
Cow's milk - drinking	East Bohemia	2297	15.830308	50.149967	National Radiation Protection Institute	Twice a year
Cow's milk - drinking	West Bohemia	2311	13.281789	49.890925	National Radiation Protection Institute	Twice a year
Cow's milk - drinking	North Bohemia	2324	14.122972	50.638333	National Radiation Protection Institute	Twice a year
Cow's milk - drinking	Olomouc - OLMA dairy	4031	17.250917	49.593889	National Radiation Protection Institute	Twice a year
Cow's milk - drinking	Ostrava - Martinov - dairy	4032	18.178472	49.856656	National Radiation Protection Institute	Twice a year
Cow's milk - powdered	South Bohemia	2215	14.667694	49.177503	National Radiation Protection Institute	Twice a year
Cow's milk - powdered	South Moravia	2246	16.663006	49.228511	National Radiation Protection Institute	Twice a year
Cow's milk - powdered	Prague and Central Bohemian Region	2253	14.461200	50.047533	National Radiation Protection Institute	Twice a year
Cow's milk - powdered	North Moravia	2277	17.384861	49.590167	National Radiation Protection Institute	Twice a year
Cow's milk - powdered	East Bohemia	2299	15.875817	50.092519	National Radiation Protection Institute	Twice a year
Cow's milk - powdered	West Bohemia	2312	13.243392	49.857011	National Radiation Protection Institute	Twice a year
Cow's milk - powdered	North Bohemia	2325	14.120139	50.696472	National Radiation Protection Institute	Twice a year
Cow's milk - raw, powdered	Czech Republic[14)]	-	-	-	State Veterinary Institute	50 samples per year

[14)] The State Veterinary Institute takes samples of milk from producers. The sampling sites are non-permanent, specific names, identifier and geographical information are given in the MonRaS database.

Table C_4.1b: Monitored item: food chain/milk – permanent sampling sites – network for internal exposure (network of food chain sampling), local network

Monitored item	Sampling site	Identifier	Longitude [°]	Latitude [°]	Sampling site operator	Frequency of sampling
Cow's milk - raw	Area surrounding the Dukovany NPP	2200	16.116439	49.066297	RC Brno	Four times a year
Cow's milk - raw	Area surrounding the Temelín NPP	2228	14.382142	49.207556	RC České Budějovice	Four times a year

Note:
Sampling and measurements are carried out by measurement laboratories of the National Radiation Protection Institute.

Table C_4.2: Details on monitored item: food chain/mixed diet – network for internal exposure (network of food chain sampling)

Monitored item	Measured physical quantity	Unit	Sample measurement procedure	Radionuclide
Mixed diet – daily diet – proportion	Specific activity	Bq/kg	VDI - G	^{137}Cs
			VDI - Sr	^{90}Sr
Mixed diet - daily diet – restaurants and canteens	Specific activity	Bq/kg	VDI - G	^{137}Cs
			VDI - Sr	^{90}Sr
Mixed diet – daily diet – consumer basket	Activity per day	Bq/day	VDI - G	^{137}Cs
			VDI - Sr	^{90}Sr

Note:
The monitored items Mixed diet - daily diet – proportion and Mixed diet - daily diet – restaurants and canteens are not monitored in a planned exposure situation.

Table C_4.2a: Monitored item: food chain/mixed – permanent sampling sites – network for internal exposure (network of food chain sampling), territorial network

Monitored item	Sampling site	Identifier	Longitude [°]	Latitude [°]	Sampling site operator	Frequency of sampling
Mixed diet – daily diet – consumer basket	South Bohemian Region	1007	14.569901	49.071493	RC České Budějovice	Twice a year
	South Moravian Region	1008	16.592418	49.206534	RC Brno	Twice a year
	Karlovy Vary Region	1014	12.696102	50.156868	RC Plzeň	Once a year
	Prague Region	1019	14.465898	50.070725	National Radiation Protection Institute	Twice a year
	Vysočina Region	1020	15.653484	49.376870	RC Brno	Once a year
	Hradec Králové Region	1021	15.845319	50.424611	RC Hradec Králové	Once a year
	Liberec Region	1025	14.988282	50.734600	RC Ústí nad Labem	Once a year
	Moravian-Silesian Region	1041	18.003315	49.760993	RC Ostrava	Twice a year
	Olomouc Region	1066	17.314267	49.568615	RC Ostrava	Twice a year
	Pardubice Region	1072	16.114784	49.885539	RC Hradec Králové	Once a year
	Plzeň Region	1079	13.117978	49.611295	RC Plzeň	Once a year
	Central Bohemian Region	1118	14.763352	49.989205	National Radiation Protection Institute	Twice a year
	Ústí Region	1127	13.796445	50.494100	RC Ústí nad Labem	Once a year
	Zlín Region	1236	12.696102	50.156868	RC Brno	Once a year

C_4.3: Details on monitored item: food chain/mixed diet items – network for internal exposure (network of food chain sampling)

Monitored item	Measured physical quantity	Unit	Sample measurement procedure	Radionuclide
Mushrooms	Specific activity	Bq/kg	VDI -G	^{137}Cs
Berries	Specific activity	Bq/kg	VDI -G	^{137}Cs

Slaughter meat	Specific activity	Bq/kg	VDI -G	^{137}Cs
Cereals	Specific activity	Bq/kg	VDI -G	^{137}Cs
Root crops	Specific activity	Bq/kg	VDI -G	^{137}Cs
Fruit	Specific activity	Bq/kg	VDI -G	^{137}Cs
Food products	Specific activity	Bq/kg	VDI -G	^{137}Cs
Fish	Specific activity	Bq/kg	VDI -G	^{137}Cs
Eggs	Specific activity	Bq/kg	VDI -G	^{137}Cs
Vegetable	Specific activity	Bq/kg	VDI -G	^{137}Cs
Agricultural produce	Specific activity	Bq/kg	VDI -G	^{137}Cs
Game meat	Specific activity	Bq/kg	VDI -G	^{137}Cs

Note:

Eggs are monitored as part of the mixed diet – consumer basket.

Agricultural produce (crops whose aerial parts are fed or consumed) does not have permanent sampling sites and is monitored only in an emergency exposure situation.

Table C_4.3a: Monitored item: food chain/mixed diet items – permanent sampling sites – network for internal exposure (network of food chain sampling), territorial

Monitored item	Sampling site	Identifier	Longitude [°]	Latitude [°]	Sampling site operator	Frequency of sampling
Slaughter meat - poultry	Prague and Central Bohemian Region	2250	14.431831	50.055733	National Radiation Protection Institute	Four times a year
Slaughter meat - pork	Prague and Central Bohemian Region	2248	14.426053	50.056703	National Radiation Protection Institute	Four times a year
Slaughter meat - beef	Prague and Central Bohemian Region	2248	14.423031	50.054650	National Radiation Protection Institute	Four times a year
Cereals - barley	Czech Republic	2264	15.265875	49.826078	National Radiation Protection Institute	Once a year
Cereals - barley	South Moravia	2258	16.861278	49.097444	National Radiation Protection Institute	Once a year
Cereals - barley	Prague and Central Bohemian Region	2261	14.585994	49.943367	National Radiation Protection Institute	Once a year
Cereals - barley	North Bohemia	2329	14.447944	50.684306	National Radiation Protection Institute	Once a year
Cereals - barley	North Moravia	2281	18.003215	49.757938	National Radiation Protection Institute	Once a year
Cereals - barley	East Bohemia	2303	15.803303	50.063772	National Radiation Protection Institute	Once a year
Cereals - barley	West Bohemia	2316	13.135308	49.649817	National Radiation Protection Institute	Once a year
Cereals - maize	Czech Republic	2265	15.387469	49.826306	National Radiation Protection Institute	Once a year
Cereals - maize	South Bohemia	10440	14.215556	48.844722	National Radiation Protection Institute	Once a year
Cereals - maize	South Moravia	2260	16.975167	49.290972	National Radiation Protection Institute	Once a year
Cereals - maize	Prague and Central Bohemian Region	2262	14.597817	49.930325	National Radiation Protection Institute	Once a year
Cereals - maize	North Bohemia	2330	14.435139	50.619833	National Radiation Protection Institute	Once a year
Cereals - maize	North Moravia	2282	18.019982	49.694326	National Radiation Protection Institute	Once a year
Cereals - maize	East Bohemia	2304	15.794044	50.101189	National Radiation Protection Institute	Once a year
Cereals - oat	Czech Republic	2506	15.265678	49.823078	National Radiation Protection Institute	Once a year
Cereals - oat	South Moravia	3177	17.154250	49.036667	National Radiation Protection Institute	Once a year
Cereals - oat	Prague and Central Bohemian Region	13088	14.423028	50.054639	National Radiation Protection Institute	Once a year
Cereals - oat	North Bohemia	3242	14.604250	50.472778	National Radiation Protection Institute	Once a year

Monitored item	Sampling site	Identifier	Longitude [°]	Latitude [°]	Sampling site operator	Frequency of sampling
Cereals - oat	North Moravia	3314	17.731972	49.737556	National Radiation Protection Institute	Once a year
Cereals - oat	East Bohemia	3232	16.204250	49.789444	National Radiation Protection Institute	Once a year
Cereals - wheat	Czech Republic	2263	15.301428	49.823094	National Radiation Protection Institute	Once a year
Cereals - wheat	South Bohemia	2220	14.690803	49.227681	National Radiation Protection Institute	Once a year
Cereals - wheat	South Moravia	14954	16.975167	49.290972	National Radiation Protection Institute	Once a year
Cereals - wheat	Prague and Central Bohemian Region	2259	14.569283	49.933608	National Radiation Protection Institute	Once a year
Cereals - wheat	North Bohemia	2328	14.402444	50.682056	National Radiation Protection Institute	Once a year
Cereals - wheat	North Moravia	2280	18.003615	49.764049	National Radiation Protection Institute	Once a year
Cereals - wheat	East Bohemia	2302	15.936269	50.059664	National Radiation Protection Institute	Once a year
Cereals - wheat	West Bohemia	2315	13.143131	49.703653	National Radiation Protection Institute	Once a year
Cereals - rye	West Bohemia	3178	12.620917	49.839444	National Radiation Protection Institute	Once a year
Cereals - rye	Czech Republic	2507	15.260176	49.825078	National Radiation Protection Institute	Once a year
Cereals - rye	Prague and Central Bohemian Region	17432	14.423000	50.055000	National Radiation Protection Institute	Once a year
Cereals - rye	North Moravia	3313	17.715306	49.720889	National Radiation Protection Institute	Once a year
Cereals - rye	West Bohemia	3243	12.954250	49.972778	National Radiation Protection Institute	Once a year
Cereals - triticale	Czech Republic	7912	15.261111	49.824000	National Radiation Protection Institute	Once a year
Cereals - triticale	Prague and Central Bohemian Region	17886	14.423000	50.055000	National Radiation Protection Institute	Once a year
Cereals - triticale	North Bohemia	17710	14.402444	50.682056	National Radiation Protection Institute	Once a year
Cereals - triticale	East Bohemia	3293	15.408389	50.339444	National Radiation Protection Institute	Once a year
Root crops - potatoes	South Bohemia	2206	14.817375	49.251939	National Radiation Protection Institute	Twice a year
Root crops - potatoes	South Moravia	2227	16.502022	49.342917	National Radiation Protection Institute	Twice a year
Root crops - potatoes	Prague and Central Bohemian Region	2239	14.593067	50.069525	National Radiation Protection Institute	Twice a year
Root crops - potatoes	North Bohemia	2318	14.291500	50.669889	National Radiation Protection Institute	Twice a year
Root crops - potatoes	North Moravia	2266	18.251444	49.647997	National Radiation Protection Institute	Twice a year
Root crops - potatoes	East Bohemia	2283	15.820833	50.281111	National Radiation Protection Institute	Twice a year

Monitored item	Sampling site	Identifier	Longitude [°]	Latitude [°]	Sampling site operator	Frequency of sampling
Root crops - potatoes	West Bohemia	2305	13.256192	49.790494	National Radiation Protection Institute	Twice a year
Fruits - apples	South Bohemia	2212	14.759422	49.260408	National Radiation Protection Institute	Twice a year
Fruits - apples	South Moravia	2241	16.930306	49.172697	National Radiation Protection Institute	Twice a year
Fruits - apples	Prague and Central Bohemian Region	2247	14.428806	49.973125	National Radiation Protection Institute	Twice a year
Fruits - apples	North Bohemia	2323	14.293644	50.534492	National Radiation Protection Institute	Twice a year
Fruits - apples	North Moravia	2275	17.912500	49.618889	National Radiation Protection Institute	Twice a year
Fruits - apples	East Bohemia	2296	15.733603	50.125356	National Radiation Protection Institute	Twice a year
Fruits - apples	West Bohemia	2310	13.476625	49.767536	National Radiation Protection Institute	Twice a year
Food products - flour	South Bohemia	2218	14.628939	49.202133	National Radiation Protection Institute	Twice a year
Food products - flour	South Moravia	2254	16.750000	49.208056	National Radiation Protection Institute	Twice a year
Food products - flour	Prague and Central Bohemian Region	2257	14.501375	50.074922	National Radiation Protection Institute	Twice a year
Food products - flour	North Bohemia	2327	14.315722	50.704167	National Radiation Protection Institute	Twice a year
Food products - flour	North Moravia	2279	17.351528	49.598500	National Radiation Protection Institute	Twice a year
Food products - flour	East Bohemia	2301	15.908528	50.210983	National Radiation Protection Institute	Twice a year
Food products - flour	West Bohemia	2314	13.172994	49.804722	National Radiation Protection Institute	Twice a year
Food products - oat flakes	South Bohemia	2216	14.650628	49.190750	National Radiation Protection Institute	Twice a year
Food products - oat flakes	South Moravia	2251	16.724611	49.209194	National Radiation Protection Institute	Twice a year
Food products - oat flakes	Prague and Central Bohemian Region	2256	14.503508	50.083819	National Radiation Protection Institute	Twice a year
Food products - oat flakes	North Bohemia	2326	14.255278	50.710889	National Radiation Protection Institute	Twice a year
Food products - oat flakes	North Moravia	2278	17.368194	49.573500	National Radiation Protection Institute	Twice a year
Food products - oat flakes	East Bohemia	2300	15.746403	50.224633	National Radiation Protection Institute	Twice a year
Food products - oat flakes	West Bohemia	2313	13.180817	49.835919	National Radiation Protection Institute	Twice a year
Vegetables - onion	South Bohemia	2208	14.832664	49.215722	National Radiation Protection Institute	Once a year
Vegetables - onion	South Moravia	2229	16.479344	48.922633	National Radiation Protection Institute	Once a year
Vegetables - onion	Prague and Central	2242	14.637864	50.026603	National Radiation Protection Institute	Once a year

Monitored item	Sampling site	Identifier	Longitude [°]	Latitude [°]	Sampling site operator	Frequency of sampling
	Bohemian Region					
Vegetables - onion	North Bohemia	2320	14.335597	50.702333	National Radiation Protection Institute	Once a year
Vegetables - onion	North Moravia	2269	17.882222	49.640195	National Radiation Protection Institute	Once a year
Vegetables - onion	East Bohemia	2284	15.855000	50.030556	National Radiation Protection Institute	Once a year
Vegetables - onion	West Bohemia	2307	13.330144	49.780392	National Radiation Protection Institute	Once a year
Vegetables - carrot	South Bohemia	2207	14.827153	49.238011	National Radiation Protection Institute	Once a year
Vegetables - carrot	South Moravia	2232	16.741306	49.098183	National Radiation Protection Institute	Once a year
Vegetables - carrot	Prague and Central Bohemian Region	2240	14.654219	50.056286	National Radiation Protection Institute	Once a year
Vegetables - carrot	North Bohemia	2319	14.388222	50.669889	National Radiation Protection Institute	Once a year
Vegetables - carrot	North Moravia	2267	17.679639	49.508028	National Radiation Protection Institute	Once a year
Vegetables - carrot	East Bohemia	2285	15.988889	50.105556	National Radiation Protection Institute	Once a year
Vegetables - carrot	West Bohemia	2306	13.276811	49.749161	National Radiation Protection Institute	Once a year
Vegetables - tomatoes	South Bohemia	2209	14.785733	49.225242	National Radiation Protection Institute	Once a year
Vegetables - tomatoes	South Moravia	2237	16.807278	48.983333	National Radiation Protection Institute	Once a year
Vegetables - tomatoes	Prague and Central Bohemian Region	2244	14.604444	49.993700	National Radiation Protection Institute	Once a year
Vegetables - tomatoes	North Bohemia	2321	14.185556	50.556667	National Radiation Protection Institute	Once a year
Vegetables - tomatoes	North Moravia	2273	17.434639	49.607722	National Radiation Protection Institute	Once a year
Vegetables - tomatoes	East Bohemia	2298	15.730758	50.202792	National Radiation Protection Institute	Once a year
Vegetables - tomatoes	West Bohemia	2308	13.324456	49.834083	National Radiation Protection Institute	Once a year
Vegetables - cabbage	South Bohemia	2211	14.801375	49.246369	National Radiation Protection Institute	Once a year
Vegetables - cabbage	South Moravia	2238	16.930022	49.172697	National Radiation Protection Institute	Once a year
Vegetables - cabbage	Prague and Central Bohemian Region	2245	14.519114	49.991414	National Radiation Protection Institute	Once a year
Vegetables - cabbage	North Bohemia	2322	14.264444	50.571944	National Radiation Protection Institute	Once a year
Vegetables - cabbage	North Moravia	2274	17.320778	49.489722	National Radiation Protection Institute	Once a year
Vegetables - cabbage	East Bohemia	2295	15.860886	50.102100	National Radiation Protection Institute	Once a year

Monitored item	Sampling site	Identifier	Longitude [°]	Latitude [°]	Sampling site operator	Frequency of sampling
Vegetables - cabbage	West Bohemia	2309	13.267569	49.825369	National Radiation Protection Institute	Once a year

Table C_4.3a1: Monitored item: food chain/mixed diet items – number of samples in non-permanent sampling sites – network for internal exposure (network of food chain sampling), territorial

Monitored item	Sampling site [15)]	Sampling site operator	Number of samples per year
Mushrooms	Municipality/ZSJ	National Radiation Protection Institute, Forestry and Game Management Research Institute	40
Berries	Municipality/ZSJ	National Radiation Protection Institute, Forestry and Game Management Research Institute	25
Slaughter meat - poultry	Municipality/ZSJ	State Veterinary Institute	50
Slaughter meat - pork	Municipality/ZSJ	State Veterinary Institute	50
Slaughter meat - beef	Municipality/ZSJ	State Veterinary Institute	50
Slaughter meat - rabbit	Municipality/ZSJ	State Veterinary Institute	10
Cereals	Municipality/ZSJ	Agricultural and Food Inspection Authority	8
Root crops	Municipality/ZSJ	Agricultural and Food Inspection Authority	6
Fruit	Municipality/ZSJ	Agricultural and Food Inspection Authority	5
Food products	Municipality/ZSJ	National Radiation Protection Institute, State Veterinary Institute, Agricultural and Food Inspection Authority	20
Fish	Municipality/ZSJ	National Radiation Protection Institute, T. G. Masaryk Water Research Institute, State Veterinary Institute	20
Vegetable	Municipality/ZSJ	Agricultural and Food Inspection Authority	5
Game meat	Municipality/ZSJ	National Radiation Protection Institute, State Veterinary Institute	45

[15)] The name of non-permanent sampling site can be the name of the municipality or ZSJ; for non-permanent sampling sites, the specific names, identifier and geographical information are given in the MonRaS database.

Table C_4.3b: Monitored item: food chain/mixed diet items – permanent sampling sites – network for internal exposure (network of food chain sampling), local

Monitored item	Sampling site	Identifier	Longitude [°]	Latitude [°]	Sampling site operator	Frequency of sampling
Mushrooms	Area surrounding the Temelín NPP	2226	14.417	49.188	RC České Budějovice	Once a year
Mushrooms	Area surrounding the Dukovany NPP	2198	16.149	49.116	RC Brno	Once a year
Berries - elderberries	Area surrounding the Dukovany NPP	2201	16.140	49.075	RC Brno	Once a year
Berries - blueberries	Area surrounding the Temelín NPP	2226	14.416	49.184	RC České Budějovice	Once a year
Berries - rowanberries	Area surrounding the Dukovany NPP	3191	15.971	48.989	RC Brno	Once a year
Berries - rose hips	Area surrounding the Dukovany NPP	14966	16.217	49.090	RC Brno	Once a year
Berries - rose hips	Area surrounding the Temelín NPP	2224	14.399	49.177	RC České Budějovice	Once a year
Cereals - barley	Area surrounding the Dukovany NPP	2205	16.110	49.111	RC Brno	Once a year
Cereals - barley	Area surrounding the Temelín NPP	2233	14.348	49.219	RC České Budějovice	Once a year
Cereals - maize	Area surrounding the Dukovany NPP	14956	16.183	49.121	RC Brno	Once a year
Cereals - maize	Area surrounding the	2234	14.336	49.177	RC České Budějovice	Once a year

	Temelín NPP					
Cereals - wheat	Area surrounding the Dukovany NPP	1059	16.183	49.121	RC Brno	Once a year
Cereals - wheat	Area surrounding the Temelín NPP	2231	16.144	49.089	RC České Budějovice	Once a year
Fruits - apples	Area surrounding the Temelín NPP	2236	14.403	49.178	RC České Budějovice	Once a year
Fruits - pears	Area surrounding the Dukovany NPP	3279	15.938	48.956	RC Brno	Once a year
Food products - honey	Area surrounding the Temelín NPP	2230	14.338	49.196	RC České Budějovice	Once a year
Food products - honey	Area surrounding the Dukovany NPP	2203	16.026	49.108	RC Brno	Once a year

Note:

Sampling and measurements are carried out by measurement laboratories of the National Radiation Protection Institute.

C_4.5: Details on monitored item: food chain/feed – network for internal exposure (network of food chain sampling),

Monitored item	Measured physical quantity	Unit	Sample measurement procedure	Radionuclide
Feed - forage products	Specific activity	Bq/kg	VDI –G	^{137}Cs
Feed - silage and haylage	Specific activity	Bq/kg	VDI –G	^{137}Cs
Feed - other	Specific activity	Bq/kg	VDI –G	^{137}Cs
Feed – compound feed	Specific activity	Bq/kg	VDI –G	^{137}Cs

Table C_4.5a: Monitored item: food chain/feed – number of samples in non-permanent sampling sites – network for internal exposure (network of food chain sampling), territorial

Monitored item	Sampling site	Sampling site operator	Number of samples per year
Feed (hay, haylage, silage, compound feed)	Municipality/ZSJ	Central Institute for Supervising and Testing in Agriculture	50

Note:
The name of non-permanent sampling site can be the name of the municipality or ZSJ; for non-permanent sampling sites, the specific names, identifier and geographical information are given in the MonRaS database.

Table C_4.3b: Monitored item: food chain/feed – network for internal exposure (network of food chain sampling), local

Monitored item	Sampling site	Identifier	Longitude [°]	Latitude [°]	Sampling site operator	Frequency of sampling
Silage corn	Area surrounding the Temelín NPP	2235	14.379	49.207	RC České Budějovice	Once a year
Silage corn	Area surrounding the Dukovany NPP	2219	16.171	49.059	RC Brno	Once a year
Haylage	Area surrounding the Dukovany NPP	2219	16.171	49.059	RC Brno	Once a year
Haylage	Area surrounding the Temelín NPP	3201	14.325	49.139	RC České Budějovice	Once a year

Note:
Sampling and measurements are carried out by measurement laboratories of the National Radiation Protection Institute.