

TABLE T2.1

Distribution of settlements of the Kaluga oblast with ^{137}Cs mean contamination density above 37 kBq/m^2 in accordance with mean accumulated effective dose (mSv) of internal and external exposure of adults permanently resided in the affected areas since the Chernobyl accident up to December 31, 1995

Range of accumulated effective dose, mSv		Number of settlements	Percentage, %
Lower limit	Upper limit		
The whole oblast: 404 settlements; accumulated effective dose - 6.3 ± 4.9 mSv			
1	2	57	14.1
2	3	83	20.5
3	4	50	12.4
4	5	36	8.9
5	7	38	9.4
7	10	52	12.9
10	15	62	15.3
15	20	20	5.0
20	25	6	1.5
Duminichsky rayon: 5 settlements; mean accumulated effective dose - 2.6 ± 1.0 mSv			
1	2	3	60.0
2	3	0	0.0
3	4	1	20.0
4	5	1	20.0
Khvastovichsky rayon: 60 settlements; mean accumulated effective dose - 8.1 ± 5.5 mSv			
1	2	4	6.7
2	3	10	16.7
3	4	5	8.3
4	5	5	8.3
5	7	10	16.7
7	10	3	5.0
10	15	14	23.3
15	20	8	13.3
20	25	1	1.7
Kirovsky rayon: 7 settlements; mean accumulated effective dose - 2.0 ± 0.2 mSv			
1	2	4	57.1
2	3	3	42.9
Kozelsky rayon: 22 settlements; mean accumulated effective dose - 2.6 ± 0.9 mSv			
1	2	8	36.4
2	3	6	27.3
3	4	5	22.7
4	5	3	13.6
Kuibyshevsky rayon: 49 settlements; mean accumulated effective dose - 2.3 ± 0.5 mSv			
1	2	18	36.7
2	3	27	55.1
3	4	4	8.2
Lyudinovsky rayon: 41 settlements; mean accumulated effective dose - 2.9 ± 1.0 mSv			
1	2	12	29.3
2	3	12	29.3
3	4	10	24.4
4	5	6	14.6
5	7	1	2.4
Meshchovsky rayon: 7 settlements; mean accumulated effective dose - 2.6 ± 0.8 mSv			
1	2	2	28.6
2	3	3	42.8

Range of accumulated effective dose, mSv		Number of settlements	Percentage, %
Lower limit	Upper limit		
3	4	1	14.3
4	5	1	14.3
Peremyshlsky rayon: 1 settlement; mean accumulated effective dose - 1.6 mSv			
1	2	1	100.0
Ulyanovsky rayon: 116 settlements; mean accumulated effective dose - 9.5 ± 4.9 mSv			
1	2	2	1.7
2	3	7	6.0
3	4	8	6.9
4	5	5	4.3
5	7	15	12.9
7	10	34	29.4
10	15	30	25.9
15	20	10	8.6
20	25	5	4.3
Zhizdrinsky rayon: 96 settlements; mean accumulated effective dose - 6.4 ± 3.9 mSv			
1	2	3	3.1
2	3	15	15.6
3	4	16	16.7
4	5	15	15.6
5	7	12	12.5
7	10	15	15.6
10	15	18	18.8
15	20	2	2.1

TABLE T2.2

Mean accumulated effective external and internal doses in adults who have resided in settlements of the Kaluga oblast with ^{137}Cs mean contamination density above 37 kBq/m^2 since the Chernobyl accident to the end of 1995

The following is indicated in the table:

- σ_{137} - mean density of contamination with ^{137}Cs , kBq/m^2 ;
- D_{ex_1} - mean accumulated effective external dose for the first year after the Chernobyl accident, mSv;
- D_{in_1} - mean accumulated effective internal dose for the first year after the Chernobyl accident, mSv;
- D_{t_1} - mean accumulated effective radiation dose for the first year after the Chernobyl accident, mSv;
- D_{ext} - mean accumulated effective external dose from the time of the Chernobyl accident to 31.12.1995, mSv;
- D_{in} - mean accumulated effective internal dose from the time of the Chernobyl accident to 31.12.1995, mSv;
- D_{tot} - mean accumulated effective dose from the time of the Chernobyl accident to 31.12.1995, mSv.

SETTLEMENT	SEL'SOVET	Σ137	1-st year after the accident			From the accident to 31.12.1995		
			D _{ex_1}	D _{in_1}	D _{t_1}	D _{ext}	D _{in}	D _{tot}
DUMINICHSKY RAYON								
Khotkovo	Khotkovsky	99	1.55	0.41	1.96	3.62	0.52	4.14
Klintsy	Khotkovsky	44	0.69	0.18	0.88	1.62	0.23	1.85
Pyrenka	Vysoksky	39	0.61	0.16	0.77	1.42	0.20	1.62
Shubnik	Khotkovsky	82	1.28	0.34	1.61	2.98	0.43	3.41
Yasenok	Vysoksky	43	0.67	0.17	0.84	1.55	0.22	1.78
KHVASTOVICHSKY RAYON								
Baranovka	Lovatskoy	245	3.83	2.08	5.92	8.93	3.36	12.29
Berestna	Berestnyansky	341	5.34	2.91	8.25	12.45	4.69	17.15
Bezychenkov	Votkinsky	139	2.18	1.19	3.36	5.08	1.91	6.99
Buda	Votkinsky	165	2.59	1.50	4.09	6.04	2.45	8.48
Chernaya Rechka	Votkinsky	222	3.48	1.89	5.37	8.10	3.05	11.16
Dolgoje	Sloboskoy	61	0.96	0.52	1.48	2.23	0.84	3.07
Dolina	Elensky	244	3.82	2.08	5.90	8.90	3.35	12.26
Elensky	Rayon subordination	195	2.20	1.76	3.96	4.87	5.70	10.58
Fomin Verkh	Krasnensky	96	1.51	0.82	2.33	3.51	1.32	4.83
Frolovo	Lovatskoy	267	4.18	2.28	6.46	9.75	3.67	13.43
Glebovka	Elensky	104	1.63	0.89	2.52	3.80	1.43	5.23
Griva	Myleyevsky	213	3.34	1.82	5.16	7.79	2.94	10.73
Guda	Avdeyevsky	39	0.61	0.33	0.94	1.42	0.54	1.95
Ilinka	Podbuzhsky	74	1.15	0.63	1.78	2.69	1.01	3.70
Katunovka	Berestnyansky	313	4.91	2.67	7.58	11.44	4.31	15.75
Kharitonovka	Mileyevsky	252	3.95	2.15	6.09	9.20	3.46	12.66
Khizna	Slobodskoy	118	1.84	1.00	2.85	4.29	1.62	5.91
Kholm	Podbuzhsky	50	0.78	0.42	1.20	1.81	0.68	2.49
Khvastovichi	Khvastovichsky	71	1.12	0.84	1.96	2.61	2.26	4.87
Klen	Klenovsky	57	0.89	0.73	1.62	2.08	2.97	5.05
Kletno	Slobodskoy	45	0.71	0.39	1.09	1.65	0.62	2.27
Kolodyassy	Berestnyansky	319	5.00	1.34	6.35	11.66	3.69	15.35
Kolonna	Kudryavetsky	41	0.64	0.35	0.99	1.50	0.56	2.06
Krasnaya Gorka	Votkinsky	287	4.49	2.44	6.94	10.47	3.94	14.41
Krasnensky	Berestnyansky	306	4.79	2.61	7.40	11.17	4.21	15.38
Krasnoje	Krasnensky	73	1.15	0.92	2.06	2.67	2.60	5.28
Kudryavets	Kudryavetsky	83	1.30	1.33	2.63	3.03	3.45	6.48
Kurgan	Penevichsky	42	0.66	0.36	1.01	1.53	0.57	2.10
Lenino	Klenovsky	102	1.59	0.92	2.52	3.71	1.50	5.22
Lovat	Lovatskoy	232	3.63	1.61	5.23	8.46	3.82	12.28
Lovatyanka	Mileyevsky	482	7.55	4.37	11.92	17.60	7.13	24.73
Makarovsky	Staikovsky	39	0.61	0.33	0.94	1.42	0.53	1.95
Mekhovaya	Lovatskoy	386	6.04	3.29	9.32	14.07	5.30	19.38
Mileyevo	Mileyevsky	136	2.13	1.29	3.42	4.97	3.19	8.16
Mokrye Dvory	Mileyevsky	249	3.90	2.12	6.02	9.09	3.43	12.52
Novokhvastovichi	Krasnensky	104	1.63	0.89	2.52	3.80	1.43	5.23
Novoselki	Krasnensky	117	1.84	2.27	4.11	4.28	3.22	7.50
Palkevichi	Palkevichsky	41	0.64	0.35	0.98	1.49	0.56	2.05
Pavlovka	Berestnyansky	211	3.31	1.80	5.11	7.71	2.91	10.62
Penevechi	Penevichsky	38	0.60	0.33	0.93	1.41	0.53	1.93
Pochaevka	Votkinsky	356	5.57	3.03	8.60	12.98	4.89	17.87
Podbuzhje	Podbuzhsky	52	0.81	0.69	1.50	1.89	1.93	3.82
Resseta	Mileyevsky	346	5.42	3.14	8.56	12.64	5.12	17.77
Semenovsky	Slobodskoy	94	1.48	0.80	2.28	3.44	1.30	4.74
Sergeyevsky	Slobodskoy	84	1.31	0.71	2.02	3.05	1.15	4.20
Sevastopol	Krasnensky	78	1.22	0.67	1.89	2.85	1.07	3.92
Shishkov	Elensky	308	4.82	2.62	7.45	11.24	4.24	15.47
Sloboda	Slobodskoy	39	0.61	0.33	0.94	1.42	0.53	1.95
Tereben	Kudryavetsky	56	0.87	0.90	1.76	2.03	2.91	4.94
Trosna	Klenovsky	57	0.90	0.49	1.39	2.09	0.79	2.88

SETTLEMENT	SEL'SOVET	σ ₁₃₇	1-st year after the accident			From the accident to 31.12.1995		
			D _{ex_1}	D _{in_1}	D _{t_1}	D _{ext}	D _{in}	D _{tot}
Turgenevskoje Lesnichestvo	Klenovsky	47	0.73	0.42	1.15	1.70	0.69	2.39
Upoloznoje	Staikovsky	60	0.93	0.51	1.44	2.17	0.82	2.99
Uspensky	Khvastovichsky	58	0.90	0.49	1.40	2.11	0.79	2.90
Vechnost	Votkinsky	135	2.12	1.15	3.27	4.93	1.86	6.79
Verhnyaya Shkova	Kudryavetsky	44	0.70	0.40	1.10	1.62	0.66	2.28
Vladimirovka	Podbuzhsky	105	1.65	0.90	2.55	3.85	1.45	5.30
Votkina	Votkinsky	199	3.12	1.70	4.82	7.28	2.74	10.02
Vysokoje	Berestnyansky	270	4.23	2.30	6.53	9.86	3.72	13.58
Yastrebikha	Votkinsky	286	4.48	2.44	6.92	10.44	3.94	14.38
Zelionye Luzhi	Kudryavetsky	71	1.11	0.64	1.76	2.59	1.05	3.64
KIROVSKY RAYON								
Kosichino	Bolshezheltoukhovsky	38	0.59	0.15	0.74	1.37	0.20	1.57
Kuznetsy	Bolshesavkinsky	45	0.70	0.19	0.89	1.64	0.24	1.88
Malye Zheltoukhi	Bolshezheltoukhovsky	49	0.76	0.20	0.96	1.78	0.26	2.03
Novoseltsy	Bolshezheltoukhovsky	47	0.73	0.19	0.92	1.71	0.25	1.96
Pavlovsky	Bolshezheltoukhovsky	50	0.77	0.20	0.97	1.80	0.26	2.06
Primerny	Bolshezheltoukhovsky	57	0.89	0.24	1.13	2.09	0.30	2.39
Shubartovka	Bolshesavkinsky	46	0.71	0.19	0.90	1.67	0.24	1.91
KOZELSKY RAYON								
Egorjevsky	Chernyshensky	41	0.64	0.17	0.81	1.49	0.21	1.70
Grachevsky	Chernyshensky	47	0.74	0.19	0.93	1.72	0.25	1.97
Kalinino	Podborsky	39	0.62	0.16	0.78	1.44	0.21	1.64
Karetny	Chernyshensky	57	0.90	0.23	1.13	2.09	0.30	2.39
Khryapkino	Kireyevsky	49	0.78	0.20	0.98	1.80	0.26	2.06
Krasnaya Dubrovka	Podborsky	96	1.52	0.40	1.91	3.52	0.51	4.03
Kurovskoje	Podborsky	74	1.16	0.30	1.47	2.70	0.39	3.08
Leninsky	Chernyshensky	55	0.87	0.23	1.10	2.02	0.29	2.31
Ozerskoje	Podborsky	99	1.56	0.41	1.97	3.62	0.52	4.14
Petrishchenki	Podborsky	71	1.12	0.29	1.41	2.60	0.37	2.98
Pyatovka	Podborsky	38	0.61	0.16	0.77	1.41	0.20	1.61
Pobuzh	Chernyshensky	77	1.21	0.32	1.52	2.81	0.40	3.21
Podborki	Podborsky	111	1.76	0.46	2.22	4.08	0.59	4.66
Povetkino	Kireyevsky	37	0.58	0.15	0.74	1.35	0.20	1.55
Rodnaya Slobodka	Podborsky	60	0.95	0.25	1.19	2.19	0.32	2.51
Rozhdestveno	Podborsky	74	1.16	0.30	1.47	2.70	0.39	3.08
Rudnevsky	Chernyshensky	59	0.93	0.24	1.18	2.17	0.31	2.48
Sereno-Zavod	Nizhnepryskovsky	37	0.59	0.15	0.74	1.37	0.20	1.56
Sloboda	Chernyshensky	84	1.33	0.35	1.68	3.09	0.44	3.53
Torbeyevo	Burnashevsky	41	0.65	0.17	0.82	1.50	0.22	1.72
Troshna	Chernyshensky	39	0.62	0.16	0.78	1.44	0.21	1.64
Zaprudnoje	Podborsky	94	1.49	0.39	1.88	3.46	0.50	3.95
KUIBYSHEVSKY RAYON								
Bely Kholm	Mileyevsky	53	0.83	0.22	1.05	1.94	0.28	2.22
Betlitsa	Betlitsky	48	0.54	0.12	0.66	1.21	0.18	1.39
Borisovka	Mileyevsky	68	1.06	0.28	1.34	2.49	0.36	2.85
Borovinok	Zimnitsky	47	0.73	0.19	0.92	1.71	0.25	1.96
Budarka	Zimnitsky	51	0.79	0.21	1.00	1.84	0.27	2.11
Butchino	Butchinsky	63	0.98	0.26	1.24	2.29	0.33	2.62
Bytosh	Butchinsky	37	0.57	0.15	0.73	1.35	0.20	1.54
Chernaya	Mileyevsky	67	1.04	0.28	1.32	2.45	0.35	2.80
Dmitrovsky	Betlitsky	54	0.83	0.22	1.05	1.95	0.28	2.23
Dubrovka	Mokrovsky	43	0.66	0.17	0.84	1.55	0.22	1.77
Dubrovka	Zimnitsky	48	0.74	0.20	0.94	1.74	0.25	1.99
Dulevo	Mileyevsky	40	0.61	0.16	0.78	1.44	0.21	1.65
EI	Zimnitsky	57	0.89	0.23	1.12	2.07	0.30	2.37

SETTLEMENT	SEL'SOVET	σ ₁₃₇	1-st year after the accident			From the accident to 31.12.1995		
			D _{ex_1}	D _{in_1}	D _{t_1}	D _{ext}	D _{in}	D _{tot}
Feliksovo	Betlitsky	39	0.61	0.17	0.78	1.43	0.23	1.65
Glukhovskiy	Sadovishchensky	66	1.02	0.27	1.29	2.40	0.35	2.74
Gribovka	Mokrovskiy	37	0.57	0.15	0.73	1.35	0.20	1.54
Gulichi	Butchinskiy	40	0.61	0.16	0.78	1.44	0.21	1.65
Ivashkovichi	Vetmitsky	65	1.01	0.27	1.28	2.37	0.34	2.71
Khotozha	Sadovishchensky	58	0.90	0.24	1.14	2.11	0.31	2.42
Krasnikovo	Mokrovskiy	43	0.67	0.18	0.85	1.57	0.23	1.80
Lobazovo	Butchinskiy	53	0.83	0.22	1.05	1.94	0.28	2.22
Luzhnitsa	Zimnitsky	51	0.80	0.21	1.01	1.87	0.27	2.14
Mikhailovskiy	Sadovishchensky	59	0.92	0.24	1.16	2.15	0.31	2.46
Mokroje	Mokrovskiy	44	0.69	0.18	0.87	1.61	0.23	1.85
Mileyevo	Mileyevskiy	47	0.72	0.19	0.92	1.70	0.24	1.94
Neverov	Zimnitsky	63	0.98	0.26	1.24	2.30	0.33	2.63
Nizhny Studenets	Mileyevskiy	70	1.09	0.29	1.38	2.56	0.37	2.93
Novaya	Mokrovskiy	56	0.87	0.23	1.10	2.04	0.30	2.34
Novgorodchino	Mamonovskiy	40	0.61	0.16	0.78	1.44	0.21	1.65
Noviki	Mileyevskiy	66	1.02	0.27	1.29	2.40	0.35	2.74
Paderki-Firsy	Sadovishchensky	49	0.76	0.20	0.97	1.79	0.26	2.05
Paderki-Kabachi	Sadovishchensky	66	1.02	0.27	1.29	2.40	0.35	2.74
Paderki-Vasyuki	Sadovishchensky	56	0.87	0.23	1.10	2.03	0.29	2.33
Paderki-Kazennyye	Sadovishchensky	90	1.40	0.37	1.77	3.27	0.47	3.74
Pogrebki	Betlitsky	38	0.59	0.15	0.74	1.37	0.20	1.57
Progress	Zimnitsky	51	0.80	0.21	1.01	1.87	0.27	2.14
Ramennoje	Vetmitsky	45	0.69	0.18	0.88	1.63	0.24	1.86
Sadovishche	Sadovishchensky	57	0.89	0.24	1.13	2.09	0.30	2.39
Semichastnyye Khutora	Butchinskiy	44	0.68	0.18	0.86	1.59	0.23	1.82
Shelkovka	Zimnitsky	55	0.85	0.23	1.07	1.99	0.29	2.28
Sinyavka	Vetmitsky	53	0.83	0.22	1.05	1.94	0.28	2.22
Solovjevka	Mokrovskiy	37	0.58	0.15	0.73	1.36	0.20	1.56
Verkhny Studenets	Mileyevskiy	63	0.98	0.26	1.24	2.30	0.33	2.63
Vetmitsa	Vetmitsky	74	1.14	0.30	1.45	2.68	0.39	3.06
Voronenka	Butchinskiy	56	0.86	0.23	1.09	2.02	0.29	2.31
Voskresenk	Mokrovskiy	74	1.15	0.30	1.45	2.69	0.39	3.08
Zherelevo	Zherelevskiy	47	0.73	0.19	0.92	1.71	0.25	1.96
Zimnitskie Khutora	Zimnitsky	73	1.14	0.30	1.44	2.66	0.39	3.05
Zlovodka	Vetmitsky	68	1.05	0.28	1.33	2.46	0.36	2.82
LYUDINOVSKY RAYON								
Ageyevka	Chernopotokskiy	46	0.71	0.20	0.91	1.67	0.26	1.93
Alekseyevskiy	Voilovskiy	89	1.38	0.39	1.77	3.23	0.51	3.74
Berezovka	Kuyavo-Kurganovskiy	82	1.27	0.34	1.61	2.97	0.43	3.40
Buda	Kolchinskiy	51	0.79	0.21	1.00	1.84	0.27	2.11
Dubrovka	Chernopotokskiy	97	1.50	0.40	1.90	3.51	0.51	4.02
Dumlovo	Voilovskiy	94	1.45	0.39	1.84	3.40	0.49	3.90
Elovka	Kuyavo-Kurganovskiy	84	1.30	0.34	1.64	3.04	0.44	3.48
Golosilovka	Kuyavo-Kurganovskiy	73	1.14	0.30	1.44	2.66	0.39	3.05
Gryada	Voilovskiy	80	1.24	0.33	1.56	2.89	0.42	3.31
Ignatovka	Ignatovskiy	43	0.67	0.18	0.84	1.56	0.23	1.79
Ivanovo-Sergievsk	Maninskiy	44	0.69	0.19	0.88	1.61	0.26	1.87
Kolchino (small village)	Kolchinskiy	42	0.65	0.17	0.82	1.52	0.22	1.74
Kolchino (village)	Kolchinskiy	41	0.64	0.17	0.81	1.51	0.22	1.73
Kolotovka	Voilovskiy	110	1.70	0.48	2.18	3.98	0.63	4.61
Kosichino	Kuyavo-Kurganovskiy	76	1.18	0.31	1.49	2.76	0.40	3.16
Kosichino (railway point)	Kuyavo-Kurganovskiy	92	1.44	0.38	1.82	3.36	0.49	3.85
Kosyaki (railway point)	Maninskiy	56	0.86	0.24	1.10	2.02	0.32	2.34
Kretovka	Kolchinskiy	47	0.73	0.20	0.93	1.72	0.25	1.97
Krynki	Kuyavo-Kurganovskiy	60	0.93	0.24	1.17	2.17	0.31	2.48
Kuyava	Kuyavo-Kurganovskiy	66	1.02	0.27	1.29	2.40	0.35	2.74
Kuyava (railway terminal)	Kuyavo-Kurganovskiy	72	1.11	0.30	1.41	2.61	0.38	2.99

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			D _{ex_1}	D _{in_1}	D _{t_1}	D _{ext}	D _{in}	D _{tot}
Kurganje	Kuyavo-Kurganovsky	89	1.38	0.37	1.75	3.23	0.47	3.70
Kurganovka	Chernopotoksky	65	1.02	0.27	1.29	2.38	0.34	2.73
Lyudinovo		78	0.75	0.20	0.95	1.65	0.29	1.95
Manino	Maninsky	53	0.83	0.22	1.05	1.94	0.28	2.22
Moseyevka	Voilovsky	98	1.52	0.40	1.92	3.55	0.51	4.07
Mostovka	Voilovsky	114	1.76	0.50	2.26	4.13	0.65	4.78
Petrovsky	Voilovsky	127	1.97	0.52	2.49	4.62	0.67	5.28
Romanovka	Voilovsky	101	1.57	0.42	1.98	3.67	0.53	4.20
Savino	Kuyavo-Kurganovsky	58	0.90	0.24	1.13	2.10	0.30	2.40
Savinskoje Lesnichestvo	Kolchinsky	46	0.71	0.20	0.91	1.66	0.26	1.92
Seltsy	Chernopotoksky	37	0.57	0.15	0.73	1.35	0.20	1.54
Slobodka	Kuyavo-Kurganovsky	52	0.80	0.23	1.03	1.88	0.30	2.18
Suglitsy	Chernopotoksky	60	0.94	0.25	1.18	2.19	0.32	2.51
Svinaya	Voilovsky	75	1.17	0.31	1.48	2.73	0.40	3.13
Tikhonovka	Maninsky	51	0.79	0.22	1.01	1.84	0.29	2.13
Usokhi	Maninsky	38	0.60	0.16	0.76	1.40	0.20	1.60
Verbezichi	Kuyavo-Kurganovsky	66	1.02	0.27	1.29	2.40	0.35	2.74
Voilovo	Voilovsky	111	1.72	0.46	2.18	4.04	0.58	4.62
Zabolotje	Chernopotoksky	46	0.71	0.19	0.90	1.67	0.24	1.91
Zarechny	Kuyavo-Kurganovsky	45	0.70	0.19	0.89	1.64	0.24	1.88
MESHCHOVSKY RAYON								
Domashovsky Shchebzavod	Laptevisky	84	1.32	0.34	1.67	3.06	0.44	3.50
Domashovsky Sovkhoz	Domashovsky	53	0.84	0.22	1.06	1.95	0.28	2.23
Golovino	Laptevisky	49	0.77	0.20	0.97	1.79	0.26	2.05
Lipitsy	Moshonsky	98	1.54	0.40	1.95	3.58	0.51	4.09
Nikolsk	Domashovsky	38	0.60	0.15	0.75	1.38	0.20	1.58
Privalovo	Laptevisky	46	0.72	0.19	0.91	1.67	0.24	1.91
Staroselje	Laptevisky	63	0.99	0.26	1.25	2.31	0.33	2.64
PEREMYSHLSKY RAYON								
Ilinskoje	Gordikovskiy	38	0.61	0.16	0.77	1.41	0.20	1.61
ULYANOVSKY RAYON								
Afanasovo	Afanasovsky	338	5.33	2.16	7.49	12.38	4.08	16.46
Alexandrovka	Afanasovsky	379	5.98	2.35	8.33	13.89	3.54	17.42
Annino	Pozdnyakovskiy	213	3.36	1.31	4.67	7.79	1.98	9.77
Bely Kamen	Volosovo-Dudinsky	48	0.75	0.29	1.05	1.75	0.45	2.19
Blinov	Ukolitsky	176	2.77	1.31	4.09	6.44	2.07	8.51
Bobrovka	Afanasovsky	318	5.01	1.97	6.98	11.64	2.96	14.60
Bogdanovskiy	Ozerensky	165	2.60	1.02	3.62	6.03	1.53	7.56
Brezhnevo	Brezhnevskiy	86	1.35	0.53	1.89	3.14	1.46	4.60
Brodok	Volosovo-Dudinsky	158	2.49	0.97	3.46	5.77	1.47	7.24
Brusny	Ktsynskiy	159	2.50	0.98	3.49	5.81	1.48	7.29
Chernyaev	Ozerensky	153	2.42	1.15	3.56	5.61	1.81	7.42
Chukhlovo	Krapivensky	326	5.15	2.02	7.17	11.95	3.04	14.99
Debr	Ulyanovskiy	221	3.48	1.36	4.85	8.09	2.06	10.15
Dolgaya	Brezhnevskiy	151	2.39	0.94	3.32	5.54	1.41	6.95
Dolgoje	Ulyanovskiy	206	3.25	0.79	4.04	7.53	1.11	8.64
Dubenka	Yagodninsky	286	4.51	2.14	6.65	10.47	3.38	13.85
Dubna	Panevskiy	83	1.31	0.62	1.93	3.04	0.87	3.90
Dudino	Panevskiy	60	0.95	0.37	1.32	2.21	0.56	2.77
Dudorovo	Medyntsevskiy	219	3.46	1.64	5.09	8.02	2.58	10.61
Dudorovskiy	Rayon subordination	285	4.50	1.58	6.07	10.43	4.00	14.43
Durnevo	Ulyanovskiy	249	3.93	1.54	5.47	9.12	2.32	11.44
Efimtsevo	Volosovo-Dudinsky	95	1.49	1.00	2.49	3.47	2.05	5.52
Ershi	Pozdnyakovskiy	179	2.82	1.10	3.92	6.54	1.67	8.21
Fedorovka	Afanasovsky	367	5.79	2.27	8.05	13.43	3.42	16.84
Fursovo	Ulyanovskiy	192	3.04	0.62	3.65	7.04	1.64	8.69

SETTLEMENT	SEL'SOVET	σ ₁₃₇	1-st year after the accident			From the accident to 31.12.1995		
			D _{ex_1}	D _{in_1}	D _{t_1}	D _{ext}	D _{in}	D _{tot}
Glinnaya	Panevsky	57	0.90	0.35	1.25	2.09	0.53	2.62
Gorodnichev	Yagodninsky	508	8.02	3.14	11.16	18.62	4.74	23.35
Goryansky	Kireikovskiy	279	4.39	1.72	6.12	10.20	2.60	12.80
Goritsy	Yagodninsky	402	6.34	2.49	8.83	14.73	3.75	18.48
Goskovo	Ozerensky	125	1.97	0.77	2.75	4.58	1.17	5.74
Grabkovo	Afanasovskiy	442	6.97	2.73	9.70	16.18	4.12	20.29
Gromozdovo	Brezhnevskiy	181	2.85	1.12	3.97	6.62	1.69	8.31
Gryn	Ozerensky	168	2.65	1.04	3.69	6.15	1.56	7.72
Grynskie Dvoriki	Brezhnevskiy	87	1.37	0.54	1.91	3.18	0.81	3.99
Gurovo	Panevsky	77	1.22	0.58	1.80	2.83	0.91	3.74
Ivanovka	Ukolitsky	276	4.36	1.71	6.07	10.12	2.58	12.70
Kasyanovo	Kasyanovskiy	187	2.95	1.00	3.95	6.84	1.83	8.67
Khorevka	Afanasovskiy	394	6.22	2.95	9.17	14.44	4.65	19.10
Kireikovo	Kireikovskiy	209	3.30	1.03	4.33	7.66	2.56	10.21
Kolosovo	Volosovo-Dudinskiy	58	0.91	0.36	1.27	2.11	0.54	2.65
Kondratovka	Pozdnyakovskiy	280	4.42	2.10	6.52	10.27	3.31	13.58
Korablintsevo	Medyntsevskiy	202	3.19	1.51	4.71	7.41	2.39	9.80
Kosovka	Krapivensky	284	4.48	1.75	6.23	10.39	2.65	13.04
Krapivna	Krapivensky	258	4.07	1.12	5.19	9.46	3.04	12.50
Krasnogorje	Krapivensky	302	4.76	2.26	7.01	11.04	3.56	14.60
Krasnopolje	Kasyanovskiy	222	3.50	1.37	4.87	8.13	2.07	10.20
Ktsyn	Ktsynskiy	282	4.45	1.22	5.67	10.32	3.32	13.64
Kudiyar	Dudorovskiy	362	5.71	2.71	8.42	13.25	4.27	17.52
Kutkovo	Volosovo-Dudinskiy	70	1.11	0.43	1.54	2.57	0.66	3.23
Lomna	Krapivensky	263	4.14	1.62	5.77	9.62	2.45	12.07
Losev	Kireikovskiy	223	3.53	1.67	5.20	8.18	2.64	10.82
Lyubovka	Krapivensky	240	3.79	1.80	5.58	8.79	2.83	11.63
Malaya Vyazovenka	Vyazovensky	60	0.95	0.37	1.32	2.21	0.56	2.77
Marino	Volosovo-Dudinskiy	170	2.68	1.05	3.73	6.22	1.58	7.80
Martynki	Dudorovskiy	453	7.14	2.80	9.95	16.58	4.22	20.80
Medyntsevo	Medyntsevskiy	165	2.60	0.88	3.48	6.03	2.25	8.28
Melikhovo	Yagodninsky	310	4.90	1.37	6.27	11.37	3.73	15.10
Mezhhozstroy	Ulyanovskiy	195	3.07	1.20	4.27	7.13	1.81	8.94
Milyuganovskiy	Ukolitsky	96	1.52	0.59	2.11	3.52	0.90	4.42
Minin	Afanasovskiy	347	5.47	2.59	8.06	12.70	4.09	16.79
Mitrovka	Medyntsevskiy	196	3.10	1.21	4.31	7.19	1.83	9.02
Moilovo	Ktsynskiy	116	1.83	0.72	2.55	4.25	1.08	5.34
Nagaya	Yagodninsky	257	4.05	1.59	5.64	9.40	2.39	11.80
Nikitskoje	Panevsky	116	1.83	0.72	2.55	4.25	1.08	5.34
Nikolaevka	Kasyanovskiy	153	2.42	0.95	3.36	5.61	1.43	7.04
Nizhnyaya Peredel	Pozdnyakovskiy	128	2.01	0.79	2.80	4.67	1.19	5.86
Novaya Derevnja	Volosovo-Dudinskiy	82	1.30	0.61	1.91	3.01	0.97	3.98
Novy Svet	Pozdnyakovskiy	179	2.83	1.34	4.16	6.56	2.11	8.67
Obukhovo	Ulyanovskiy	184	2.91	1.14	4.05	6.75	1.72	8.46
Ozerno	Ozerensky	77	1.21	0.47	1.68	2.81	0.71	3.52
Ozerny	Vyazovensky	75	1.19	0.46	1.65	2.75	0.70	3.45
Pakom	Brezhnevskiy	153	2.42	0.95	3.36	5.61	1.43	7.04
Perestryazh	Volosovo-Dudinskiy	41	0.65	0.26	0.91	1.52	0.39	1.90
Pesochenka	Ukolitsky	355	5.60	2.65	8.25	12.99	4.19	17.18
Petukhovka	Afanasovskiy	435	6.86	2.69	9.55	15.92	4.05	19.97
Pochinok	Panevsky	99	1.56	0.61	2.17	3.62	0.92	4.54
Podkopaevskiy	Krapivensky	444	7.00	3.32	10.32	16.26	5.24	21.50
Poloshkovo	Volosovo-Dudinskiy	76	1.20	0.47	1.67	2.79	0.71	3.50
Polyana	Volosovo-Dudinskiy	62	0.97	0.38	1.36	2.26	0.58	2.84
Pozdnyakovo	Pozdnyakovskiy	301	4.75	0.85	5.59	11.02	1.88	12.89
Rechitsa	Ulyanovskiy	200	3.15	1.24	4.39	7.32	1.86	9.18
Romanovka	Pozdnyakovskiy	246	3.88	1.52	5.40	9.01	2.29	11.30
Rzhevka	Krapivensky	474	7.48	2.93	10.41	17.36	4.42	21.77
Senichkin	Ulyanovskiy	177	2.79	1.09	3.88	6.48	1.65	8.12

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Seraya	Panevsky	58	0.92	0.36	1.27	2.13	0.54	2.67
Shirokovsky	Ozerensky	161	2.53	0.99	3.53	5.88	1.50	7.38
Shvanovo	Yagodninsky	242	3.81	1.81	5.62	8.85	2.85	11.70
Simonovsky	Ukolitsky	265	4.18	1.64	5.83	9.71	2.47	12.19
Slobodka	Volosovo-Dudinsky	208	3.27	1.28	4.56	7.60	1.93	9.54
Sopovo	Yagodninsky	210	3.31	1.30	4.61	7.68	1.96	9.64
Sorokino	Ukolitsky	163	2.57	1.03	3.59	5.96	2.70	8.66
Staritsa	Medyntsevsky	140	2.21	0.87	3.08	5.13	1.31	6.44
Starye Vyselki	Pozdnyakovsky	114	1.79	0.70	2.49	4.16	1.06	5.22
Susei	Ktsynsky	176	2.77	1.31	4.09	6.44	2.07	8.51
Svoboda	Ukolitsky	151	2.39	0.94	3.32	5.54	1.41	6.95
Timofenki	Kasyanovsky	238	3.75	1.47	5.22	8.70	2.21	10.91
Trud	Kireikovsky	286	4.51	2.14	6.64	10.46	3.37	13.83
Ukolitsa	Ukolitsky	139	2.19	0.88	3.07	5.09	2.25	7.34
Ulyanovo	Ulyanovsky	178	2.02	0.76	2.78	4.47	1.89	6.36
Ulyanovsky Krahmalzavod	Ulyanovsky	191	3.01	0.91	3.92	6.99	1.55	8.54
Ulyanovsky Penkozavod	Ulyanovsky	190	3.00	0.90	3.90	6.96	1.54	8.51
Veino	Brezhnevsky	165	2.60	1.02	3.62	6.03	1.53	7.56
Verkhnyaya Peredel	Pozdnyakovsky	194	3.06	1.20	4.27	7.11	1.81	8.92
Vesniny	Krapivensky	319	5.04	1.97	7.01	11.69	2.98	14.67
Vyaltsevo	Vyazovensky	119	1.87	0.73	2.61	4.35	1.11	5.46
Volosovo-Dudino	Volosovo-Dudinsky	65	1.03	0.78	1.80	2.38	1.68	4.07
Vyazovna	Vyazovensky	94	1.49	0.58	2.07	3.46	0.88	4.33
Yagodnoje	Yagodninsky	248	3.91	1.53	5.44	9.08	2.31	11.39
Yurjevka	Kasyanovsky	286	4.51	1.77	6.28	10.47	2.67	13.14
Zarechje	Ulyanovsky	216	2.11	0.59	2.70	4.59	1.72	6.31
Zeleny	Dudorovsky	287	4.52	1.77	6.30	10.50	2.67	13.17
Zhelezninsky	Ukolitsky	213	3.37	1.32	4.69	7.82	1.99	9.81
Zheleznitsa	Ozerensky	132	2.08	0.81	2.89	4.82	1.23	6.05
Zhelyabovo	Vyazovensky	42	0.66	0.26	0.92	1.53	0.39	1.92
Zhilkovo	Panevsky	84	1.32	1.54	2.86	3.08	2.39	5.46
Zhukovo	Volosovo-Dudinsky	122	1.93	0.76	2.69	4.49	1.14	5.63
ZHIZDRINSKY RAYON								
333 km (railway point)	Ovsorokskoy	115	1.80	1.01	2.81	4.21	1.64	5.85
Avdeyevka	Yarovshchinsky	232	3.63	2.04	5.67	8.47	3.31	11.78
Azarjevsky	Ogorskoy	60	0.93	0.53	1.46	2.17	0.87	3.04
Barsuki	Polyudovsky	238	3.72	2.12	5.85	8.69	3.47	12.16
Belye Yamy	Polyudovsky	254	3.97	2.27	6.24	9.27	3.70	12.97
Bely Kolodets	Ulyano-Leninsky	184	2.88	1.30	4.18	6.72	2.06	8.78
Berezovka	Ogorskoy	64	1.00	0.57	1.57	2.33	0.93	3.27
Berzovsky (railway point)	Ogorskoy	63	0.98	0.56	1.54	2.29	0.92	3.21
Bolvinskoe Lesnichestvo	Korenevsky	293	4.58	2.57	7.15	10.69	4.17	14.86
Bratsky	Ogorskoy	55	0.86	0.49	1.34	2.00	0.80	2.79
Budylevka	Akimovsky	46	0.71	0.41	1.12	1.66	0.66	2.32
Dubishche	Akimovsky	44	0.69	0.40	1.09	1.62	0.65	2.27
Dubrovka	Korenevsky	90	1.41	0.79	2.20	3.29	1.28	4.58
Fomin	Petrovsky	79	1.23	0.70	1.94	2.87	1.15	4.02
Gololobovka	Ogorskoy	57	0.90	0.51	1.41	2.09	0.83	2.93
Gorki	Sovetsky	291	4.54	2.59	7.14	10.61	4.23	14.84
Granki	Polyudovsky	203	3.17	1.81	4.98	7.39	2.95	10.34
Gremuchy Kolodets	Ulemetsky	118	1.84	1.05	2.89	4.29	1.71	6.00
Guda	Ogorskoy	51	0.80	0.46	1.26	1.88	0.75	2.62
Ilyushenka	Petrovsky	60	0.94	0.54	1.48	2.20	0.88	3.08
Inochka	Korenevsky	177	2.76	1.58	4.34	6.45	2.57	9.02
Ivankovo	Nikitinsky	50	0.78	0.44	1.22	1.81	0.72	2.53
Kalinino	Ulemetsky	97	1.51	0.49	2.00	3.52	0.89	4.41
Kalininsky	Korenevsky	169	2.64	1.50	4.14	6.15	2.45	8.61
Kamenka	Oksorskoy	156	2.44	1.39	3.83	5.69	2.27	7.96

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Klenki	Ulemetsky	103	1.61	0.92	2.52	3.75	1.50	5.25
Kolyushkino	Ogorskoy	41	0.64	0.37	1.01	1.50	0.60	2.10
Kollektivizator (state farm)	Sovetsky	86	1.34	0.76	2.10	3.13	1.91	5.04
Komissarovsky	Sovetsky	320	5.00	2.80	7.80	11.66	4.55	16.21
Kondrykino	Nikitinsky	57	0.90	0.51	1.41	2.09	0.83	2.93
Kopnov Prud	Petrovsky	77	1.20	0.68	1.88	2.79	1.11	3.91
Korenevo	Korenevsky	199	3.12	1.78	4.90	7.27	3.45	10.72
Korobino	Ogorskoy	41	0.64	0.36	1.00	1.48	0.59	2.08
Krasnoje	Ulemetsky	66	1.03	0.59	1.63	2.42	0.96	3.38
Kresty	Korenevsky	105	1.64	0.94	2.58	3.83	1.53	5.36
Krucha	Korenevsky	209	3.26	1.86	5.12	7.61	3.04	10.65
Kuliki	Nikitinsky	60	0.93	0.53	1.46	2.17	0.87	3.04
Lesouchastok Lespromkhoz	Ogorskoy	60	0.94	0.53	1.46	2.19	0.85	3.04
Lesouchastok Lespromkhoz	Petrovsky	83	1.29	0.73	2.02	3.02	1.18	4.20
Likhovatka	Ogorskoy	63	0.99	0.55	1.54	2.31	0.90	3.21
Lukavets	Korenevsky	104	1.63	0.93	2.56	3.81	1.52	5.32
Luki	Ogorskoy	86	1.34	0.77	2.11	3.13	1.25	4.38
Mitinka	Ogorskoy	67	1.05	0.60	1.64	2.44	0.97	3.42
Mladensk	Ulyano-Leninsky	263	4.11	0.78	4.89	9.59	1.96	11.55
Murachevka	Sovetsky	105	1.65	0.94	2.59	3.85	1.53	5.38
Muzhitino	Nikitinsky	75	1.18	0.67	1.85	2.75	1.91	4.66
Muzhitinsky	Petrovsky	67	1.05	0.60	1.64	2.44	0.97	3.42
Nikitinka	Nikitinsky	52	0.81	0.46	1.27	1.89	0.75	2.64
Nizhnyia Akimovka	Akimovsky	40	0.63	0.36	0.99	1.47	0.59	2.06
Ogor	Ogorskoy	82	1.28	0.73	2.01	2.98	1.70	4.68
Orlya	Yarovshchinsky	175	2.73	1.56	4.30	6.38	2.55	8.93
Ovsorochki	Sovetsky	191	2.99	1.71	4.70	6.98	2.78	9.76
Ovsorok	Ovsorovskoy	123	1.92	0.81	2.73	4.48	2.01	6.49
Ovsorokskoy	Polyudovsky	77	1.21	0.69	1.90	2.82	1.12	3.94
Ozerskaya	Sovetsky	235	3.68	2.10	5.78	8.58	3.42	12.01
Ozerskoy (railway point)	Sovetsky	253	3.96	2.26	6.21	9.23	3.68	12.91
Pavlovka	Ulemetsky	116	1.82	1.04	2.85	4.24	1.69	5.93
Pesochnyia	Yarovshchinsky	296	4.63	2.64	7.27	10.79	4.31	15.10
Petrovka	Petrovsky	56	0.87	0.49	1.36	2.02	0.81	2.83
Plotavets	Ulyano-Leninsky	259	4.05	2.31	6.37	9.46	3.77	13.23
Pluzhen	Ogorskoy	61	0.96	0.55	1.51	2.24	0.89	3.13
Polyudovo	Polyudovsky	57	0.89	0.78	1.67	2.08	1.94	4.02
Polom	Sovetsky	184	2.88	1.64	4.52	6.72	2.68	9.40
Polyana	Ulyano-Leninsky	166	2.60	1.48	4.08	6.06	2.42	8.48
Potje	Sovetsky	275	4.30	2.45	6.76	10.04	4.00	14.04
Progon	Sovetsky	260	4.07	2.32	6.39	9.50	3.79	13.29
Prokopenkovsky	Ogorskoy	51	0.80	0.46	1.25	1.86	0.74	2.60
Proletarsky	Ogorskoy	98	1.53	0.86	2.39	3.58	1.40	4.97
Rassvet	Polyudovsky	176	2.75	1.57	4.31	6.41	2.56	8.97
Rassvety	Korenevsky	143	2.23	1.28	3.51	5.21	2.08	7.29
Redkovo	Nikitinsky	38	0.60	0.34	0.94	1.40	0.56	1.96
Sakharnoje Pole	Ulemetsky	132	2.06	1.17	3.23	4.80	1.92	6.72
Shchigry	Polyudovsky	196	3.06	1.75	4.80	7.14	2.85	9.99
Solonovka (railway point)	Petrovsky	78	1.23	0.69	1.91	2.86	1.12	3.98
Sosnovka	Yarovshchinsky	187	2.92	1.67	4.59	6.81	2.72	9.53
Staiki	Ulemetsky	80	1.25	0.72	1.97	2.93	1.17	4.10
Studenets	Petrovsky	80	1.25	0.50	1.75	2.92	1.58	4.49
Sudimir	Ovsorokskoy	145	2.27	1.18	3.45	5.29	2.74	8.03
Sudimir (railway terminal)	Ulyano-Leninsky	257	4.01	2.29	6.30	9.37	3.74	13.10
Sukreml	Ogorskoy	57	0.89	0.51	1.40	2.08	0.83	2.91
Tabory	Ovsorokskoy	150	2.34	1.34	3.68	5.46	2.18	7.64
Tikhonovka	Ogorskoy	38	0.60	0.34	0.94	1.40	0.56	1.96
Turjevka	Polyudovsky	196	3.07	1.75	4.82	7.17	2.86	10.02
Ulemets	Ulemetsky	70	1.09	0.82	1.91	2.54	1.85	4.39

SETTLEMENT	SEL'SOVET	σ_{137}	1-st year after the accident			From the accident to 31.12.1995		
			D_{ex_1}	D_{in_1}	D_{t_1}	D_{ext}	D_{in}	D_{tot}
Uleml	Korenevsky	129	2.01	1.15	3.16	4.70	1.87	6.57
Ustje	Ogorskoy	60	0.93	0.53	1.46	2.17	0.87	3.04
Vasyukovsky	Ogorskoy	48	0.75	0.43	1.17	1.74	0.69	2.44
Velikoe Pole	Petrovsky	79	1.23	0.70	1.94	2.87	1.15	4.02
Verkhneye Ashkovo	Akimovsky	37	0.58	0.33	0.92	1.36	0.54	1.91
Vinsky	Ulyano-Leninsky	209	3.27	1.87	5.14	7.64	3.05	10.68
Vysoky Kholm	Sovetsky	293	4.58	2.61	7.19	10.69	4.26	14.95
Yarovshchina	Yarovshchinsky	141	2.20	0.83	3.03	5.14	2.15	7.29
Zhizdra	Rayon subordination	91	1.02	0.68	1.70	2.28	2.16	4.44
Zykeyevo	Petrovsky	95	1.48	0.57	2.05	3.45	1.65	5.11
Zykeyevo (railway point)	Petrovsky	70	1.10	0.63	1.73	2.56	1.02	3.59
Zykeyevsky Zavod	Petrovsky	95	1.48	0.84	2.33	3.45	1.38	4.83