

福島第一原子力発電所沿岸海域の海水の放射性物質濃度測定結果
 (東京電力ホールディングス㈱の発表をもとに作成^{※1})
 試料採取日: 令和2年12月7日、15日

Radioactivity concentration in the seawater around Fukushima Dai-ichi NPP
 (Based on the press release of TEPCO^{※1})
 Sampling Date: Dec 7, 15, 2020

令和3年1月19日
 Jan 19, 2021

Cs-134	Cs-137	H-3	全α (gross α)	全β ^{※3} (gross β)	Sr-90	Pu-238	Pu-239+240
放射性物質濃度(検出下限値)(Bq/L) (ND ^{※2} : 不検出) Radioactivity concentration (Lower detection limit) (Bq/L) (ND ^{※2} : Not Detectable)							

T-3	2020/9/1 11:25	0.0029	0.052	0.41		ND(12)				O
	2020/9/8 14:00	0.0020	0.031							O
	2020/9/15 14:20	0.0039	0.072	0.49		ND(13)				O
	2020/9/23 14:00	0.0013	0.024							O
	2020/9/29 14:15	0.0017	0.042							O
	2020/10/6 14:55	ND(0.0012)	0.023	0.51		ND(14)				O
	2020/10/13 14:15	0.0018	0.034							O
	2020/10/20 11:00	0.0014	0.026	ND(0.32)		ND(15)				O
	2020/10/27 14:20	ND(0.0014)	0.021							O
	2020/11/4 14:00	ND(0.0014)	0.017	0.33		ND(13)				O
	2020/11/10 14:45	ND(0.0013)	0.014							O
	2020/11/17 14:10	ND(0.0013)	0.014	0.56		ND(13)				O
	2020/11/24 14:40	ND(0.0012)	0.014							O
	2020/12/1 11:45	ND(0.0014)	0.015	0.61		14				O
2020/12/8 14:10	ND(0.0013)	0.012							O	
2020/12/15 10:40	ND(0.0012)	0.016							O	
T-4	2020/9/1 8:40	0.0023	0.046							O
	2020/9/8 8:10	0.0016	0.030							O
	2020/9/15 8:15	0.0024	0.056							O
	2020/9/23 8:10	ND(0.0014)	0.013							O
	2020/9/29 8:20	0.0022	0.040							O
	2020/10/6 8:10	0.0014	0.026							O
	2020/10/13 8:15	0.0018	0.039							O
	2020/10/20 8:25	ND(0.0014)	0.023							O
	2020/10/27 8:30	ND(0.0011)	0.016							O
	2020/11/4 8:25	ND(0.0010)	0.021							O
	2020/11/10 8:25	ND(0.0012)	0.0098							O
	2020/11/17 8:20	ND(0.0012)	0.014							O
	2020/11/24 8:20	ND(0.0013)	0.014							O
	2020/12/1 8:55	ND(0.0013)	0.012							O
2020/12/8 8:20	ND(0.0012)	0.014							O	
2020/12/15 8:30	ND(0.0013)	0.019							O	
T-6	2020/9/1 14:20	0.0015	0.027	0.35		ND(12)				O
	2020/9/8 10:10	0.0031	0.055							O
	2020/9/15 10:20	0.0014	0.028	ND(0.32)		ND(13)				O
	2020/9/23 10:55	ND(0.0014)	0.013							O
	2020/9/29 10:45	ND(0.0013)	0.021							O
	2020/10/6 11:40	ND(0.0013)	0.025	ND(0.31)		ND(14)				O
	2020/10/13 10:30	0.0014	0.034							O
	2020/10/20 14:30	ND(0.0013)	0.012	ND(0.32)		ND(15)				O
	2020/10/27 10:25	0.0014	0.024							O
	2020/11/4 10:20	ND(0.0011)	0.019	0.43		ND(13)				O
	2020/11/10 11:05	ND(0.0013)	0.0072							O
	2020/11/17 10:15	ND(0.0010)	0.014	0.31		ND(14)				O
	2020/11/24 10:20	ND(0.0011)	0.016							O
	2020/12/1 14:00	ND(0.0013)	0.010	0.39		ND(13)				O
2020/12/8 10:35	ND(0.0013)	0.013							O	
2020/12/15 14:10	ND(0.0012)	0.013							O	

○: 上層(表層~2m) Outer Layer

* 太字下線データが今回追加。 * Boldface and underlined readings are new.

※1 東京電力ホールディングス㈱の発表(<http://www.tepco.co.jp/decommission/planaction/monitoring/index-j.html>)

※1 Press release of TEPCO (<http://www.tepco.co.jp/en/nu/fukushima-np/f1/smp/index-e.html>)

※2 NDの記載は、海水の放射性物質濃度の検出値が検出下限値を下回る場合。

※2 ND indicates the case that the detected radioactivity concentration in seawater was lower than the detection limit.

※3 分析方法: 蒸発乾燥法

※3 Analytical method: Evaporation drying method

参考

reference

福島第一原発事故以前の海水のモニタリング結果:

(<https://radioactivity.nsr.go.jp/ja/contents/9000/8483/24/Beforedisaster.pdf>)

Results of radiation monitoring before the accident at TEPCO's Fukushima Daiichi Nuclear Power Station.

(<https://radioactivity.nsr.go.jp/ja/contents/9000/8483/24/Beforedisaster.pdf>)

Cs-134	Cs-137	H-3	全α (gross α)	全β ^{※3} (gross β)	Sr-90	Pu-238	Pu-239+240
放射線物質濃度 (検出下限値) (Bq/L) (ND ^{※2} : 不検出) Radioactivity concentration (Lower detection limit) (Bq/L) (ND ^{※2} : Not Detectable)							

T-5	2020/8/27 7:14	ND(0.0014)	0.0023						O
		ND(0.0014)	0.0026						L
	2020/9/4 7:12	ND(0.0014)	0.0036	ND(0.32)	ND(1.8)	ND(13)	0.0012		O
		ND(0.0014)	0.0014						L
	2020/9/7 7:20	ND(0.0014)	0.0019						O
		ND(0.0014)	0.0022						L
	2020/9/16 7:20	ND(0.0013)	0.0014	ND(0.32)		17			O
		ND(0.0013)	0.0023						L
	2020/9/23 7:17	ND(0.0014)	0.0019						O
		ND(0.0014)	0.0021						L
	2020/9/28 7:22	ND(0.0011)	0.0021						O
		ND(0.0011)	0.0029						L
	2020/10/5 7:26	ND(0.0012)	0.0065	ND(0.29)	ND(2.1)	ND(12)	0.00098		O
		ND(0.0012)	0.0027						L
	2020/10/13 7:13	ND(0.0014)	0.0020					ND(0.0000055)	O
		ND(0.0012)	0.0034						L
	2020/10/19 7:19	ND(0.00099)	0.0013	ND(0.31)		ND(0.13)			O
		ND(0.0013)	0.0014						L
	2020/10/26 8:31	ND(0.0011)	0.0026						O
		ND(0.0011)	0.0020						L
2020/11/2 8:26	ND(0.0014)	0.0023	ND(0.30)	ND(1.9)	ND(13)	0.00099		O	
	ND(0.0011)	0.0021						L	
2020/11/10 7:24	ND(0.0013)	0.0023						O	
	ND(0.0014)	0.0026						L	
2020/11/16 8:20	ND(0.0014)	0.0017	0.34		ND(15)			O	
	ND(0.0013)	0.0013						L	
2020/11/24 8:32	ND(0.0012)	0.0024						O	
	ND(0.0012)	0.0024						L	
2020/12/1 8:26	ND(0.0014)	0.0025						O	
	ND(0.0014)	0.0032						L	
2020/12/7 8:25	ND(0.0014)	0.0016						O	
	ND(0.0013)	0.0020						L	

T-D1	2020/8/24 7:55	ND(0.0012)	0.0032						O
		ND(0.0013)	0.0041						L
	2020/9/4 7:54	ND(0.0011)	0.0049	ND(0.32)	ND(1.8)	ND(13)	0.00093		O
		ND(0.0011)	0.016						L
	2020/9/7 8:01	ND(0.0013)	0.0057						O
		ND(0.0011)	0.0051						L
	2020/9/16 8:10	ND(0.0013)	0.010	ND(0.29)		ND(13)			O
		ND(0.0012)	0.0025						L
	2020/9/23 8:17	ND(0.0013)	0.0024						O
		ND(0.0014)	0.0041						L
	2020/9/28 8:08	0.0022	0.032						O
		ND(0.0013)	0.011						L
	2020/10/5 8:16	ND(0.0013)	0.014	0.52	ND(2.5)	15	0.0015		O
		ND(0.0013)	0.0073						L
	2020/10/14 8:03	ND(0.0014)	0.0065					ND(0.0000051)	O
		ND(0.0013)	0.0069						L
	2020/10/19 7:55	ND(0.0013)	0.0048	ND(0.30)		14			O
		ND(0.0011)	0.0066						L
	2020/10/26 7:54	ND(0.0012)	0.0091						O
		ND(0.0013)	0.0061						L
2020/11/2 8:12	ND(0.0012)	0.0035	0.54	ND(2.1)	15	0.0013		O	
	ND(0.0013)	0.0040						L	
2020/11/11 7:54	ND(0.0014)	0.0029						O	
	ND(0.0014)	0.0039						L	
2020/11/16 8:04	ND(0.0012)	0.0057	0.41		ND(15)			O	
	ND(0.0014)	0.0037						L	
2020/11/24 8:23	ND(0.0011)	0.0046						O	
	ND(0.0011)	0.0028						L	
2020/12/1 8:15	ND(0.0014)	0.0046						O	
	ND(0.0013)	0.0050						L	
2020/12/7 8:10	ND(0.0014)	0.0043						O	
	ND(0.0011)	0.0027						L	

O: 上層 (表層~2m) Outer Layer
L: 下層 (海底より2~3m上) Lower Layer

Cs-134	Cs-137	H-3	全α (gross α)	全β ^{※3} (gross β)	Sr-90	Pu-238	Pu-239+240
放射線物質濃度 (検出下限値) (Bq/L) (ND ^{※2} : 不検出) Radioactivity concentration (Lower detection limit) (Bq/L) (ND ^{※2} : Not Detectable)							

T-D5	2020/8/24 8:22	ND(0.0014)	0.0026						O
		ND(0.0012)	0.0025						L
	2020/9/4 8:22	ND(0.0013)	0.010	ND(0.33)	ND(1.8)	ND(13)	0.0014		O
		ND(0.0014)	0.0072						L
	2020/9/7 8:30	ND(0.0012)	0.0084						O
		ND(0.0014)	0.0044						L
	2020/9/16 8:40	0.0013	0.019	0.32		15			O
		ND(0.0014)	0.0047						L
	2020/9/23 8:45	ND(0.0012)	0.0021						O
		ND(0.0013)	0.0031						L
	2020/9/28 8:35	ND(0.0014)	0.025						O
		ND(0.0014)	0.0060						L
	2020/10/5 8:46	ND(0.0013)	0.0086	0.34	ND(2.5)	ND(12)	0.0010		O
		ND(0.0012)	0.0035						L
	2020/10/14 8:29	ND(0.0012)	0.0050				ND(0.0000061)	0.0000061	O
		ND(0.0012)	0.0056						L
	2020/10/19 8:20	ND(0.00096)	0.0040	ND(0.30)		18			O
		ND(0.0011)	0.0041						L
	2020/10/26 8:20	ND(0.0010)	0.0082						O
		ND(0.0011)	0.0035						L
2020/11/2 9:24	ND(0.0013)	0.0034	0.59	ND(2.1)	13	0.0010		O	
	ND(0.0012)	0.0025						L	
2020/11/11 8:19	ND(0.0011)	0.0031						O	
	ND(0.0012)	0.0024						L	
2020/11/16 8:35	ND(0.0010)	0.0029	0.52		ND(15)			O	
	ND(0.0012)	0.0030						L	
2020/11/24 8:51	ND(0.0012)	0.0026						O	
	ND(0.0012)	0.0026						L	
2020/12/1 8:49	ND(0.0011)	0.0038						O	
	ND(0.0011)	0.0029						L	
2020/12/7 8:40	ND(0.0010)	0.0037						O	
	ND(0.0012)	0.0029						L	
T-D9	2020/8/27 8:02	ND(0.0011)	0.0028						O
		ND(0.0012)	0.0025						L
	2020/9/4 8:25	ND(0.0012)	0.012	ND(0.33)	ND(1.8)	ND(13)	0.0011		O
		ND(0.0010)	0.0055						L
	2020/9/7 8:20	ND(0.0014)	0.0096						O
		ND(0.0014)	0.0080						L
	2020/9/16 8:11	ND(0.00098)	0.0096	ND(0.32)		ND(13)			O
		ND(0.0013)	0.0071						L
	2020/9/23 8:15	ND(0.0012)	0.0032						O
		ND(0.0013)	0.0034						L
	2020/9/28 8:20	ND(0.0012)	0.023						O
		ND(0.00097)	0.0044						L
	2020/10/5 8:19	ND(0.0014)	0.0081	ND(0.29)	ND(2.1)	ND(12)	0.00095		O
		ND(0.0013)	0.0040						L
	2020/10/13 8:02	ND(0.0012)	0.021				ND(0.0000054)	0.0000061	O
		ND(0.0012)	0.0061						L
	2020/10/19 8:10	ND(0.0012)	0.0089	0.42		ND(13)			O
		ND(0.0014)	0.0059						L
	2020/10/26 9:40	ND(0.00095)	0.0059						O
		ND(0.00093)	0.0052						L
2020/11/2 9:44	ND(0.0011)	0.0031	0.31	ND(1.9)	ND(12)	0.0011		O	
	ND(0.0013)	0.0042						L	
2020/11/10 8:19	ND(0.0012)	0.0031						O	
	ND(0.0013)	0.0029						L	
2020/11/16 9:25	ND(0.0013)	0.0065	ND(0.29)		ND(15)			O	
	ND(0.0013)	0.0052						L	
2020/11/24 9:38	ND(0.0013)	0.0037						O	
	ND(0.0013)	0.0042						L	
2020/12/1 9:32	ND(0.0011)	0.0026						O	
	ND(0.0013)	0.0025						L	
2020/12/7 9:47	ND(0.0013)	0.0044						O	
	ND(0.0013)	0.0037						L	

O: 上層 (表層~2m) Outer Layer
 L: 下層 (海底より2~3m上) Lower Layer

Cs-134

Cs-137

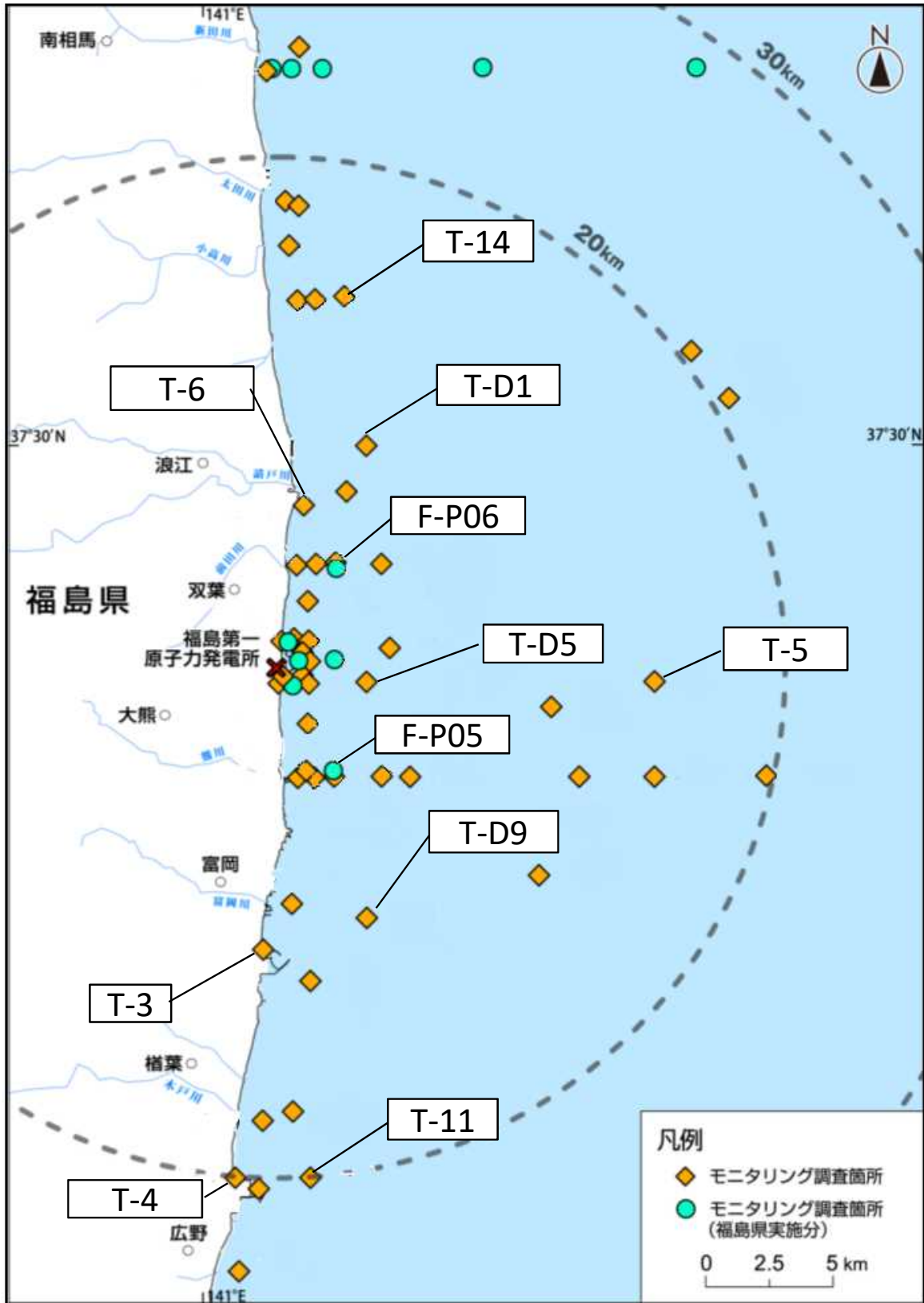
放射性物質濃度(検出下限値)(Bq/L)(ND※2:不検出)
Radioactivity concentration (Lower detection limit) (Bq/L) (ND※2: Not Detectable)

T-11	2020/8/27 8:30	ND(0.0010)	0.0042	O
		ND(0.0011)	0.0014	L
	2020/9/4 8:59	ND(0.0011)	0.0056	O
		0.0017	0.036	L
	2020/9/7 8:57	ND(0.0012)	0.0073	O
		ND(0.0014)	0.0065	L
	2020/9/16 8:40	0.0021	0.032	O
		ND(0.0012)	0.0051	L
	2020/9/23 8:47	ND(0.0014)	0.0038	O
		ND(0.0012)	0.0043	L
	2020/9/28 8:51	0.0021	0.026	O
		ND(0.0014)	0.0060	L
	2020/10/5 8:55	ND(0.0014)	0.0060	O
		ND(0.0014)	0.0049	L
	2020/10/13 8:28	ND(0.0013)	0.022	O
		ND(0.0011)	0.0070	L
	2020/10/19 8:42	ND(0.0014)	0.0063	O
		ND(0.0012)	0.0066	L
	2020/10/26 10:23	ND(0.0012)	0.0064	O
		ND(0.0014)	0.0069	L
2020/11/2 10:35	ND(0.0013)	0.0053	O	
	ND(0.0013)	0.0033	L	
2020/11/10 8:48	ND(0.0012)	0.0048	O	
	ND(0.0013)	0.0034	L	
2020/11/16 10:08	ND(0.0012)	0.0055	O	
	ND(0.0013)	0.0048	L	
2020/11/24 10:15	ND(0.0012)	0.0049	O	
	ND(0.0013)	0.0041	L	
2020/12/1 10:31	ND(0.0013)	0.0059	O	
	ND(0.0013)	0.0069	L	
2020/12/7 10:31	ND(0.0013)	0.0048	O	
	ND(0.0013)	0.0045	L	

T-14	2020/8/24 7:32	ND(0.0016)	0.0032	O
		ND(0.0015)	0.0033	L
	2020/9/4 7:31	ND(0.0015)	0.016	O
		ND(0.0016)	0.0082	L
	2020/9/7 7:41	ND(0.0016)	0.0031	O
		ND(0.0014)	0.0052	L
	2020/9/16 7:44	ND(0.0015)	0.0046	O
		ND(0.0015)	0.0024	L
	2020/9/23 7:57	ND(0.0016)	0.0025	O
		ND(0.0014)	0.0029	L
	2020/9/28 7:44	ND(0.0018)	0.036	O
		ND(0.0017)	0.0054	L
	2020/10/5 7:51	ND(0.0014)	0.0040	O
		ND(0.0014)	0.0046	L
	2020/10/14 7:39	ND(0.0014)	0.0047	O
		ND(0.0015)	0.0039	L
	2020/10/19 7:36	ND(0.0015)	0.0051	O
		ND(0.0014)	0.018	L
	2020/10/26 7:34	ND(0.0014)	0.0033	O
		ND(0.0014)	0.0035	L
2020/11/2 7:41	ND(0.0015)	0.0033	O	
	ND(0.0015)	0.0032	L	
2020/11/11 7:36	ND(0.0015)	0.0026	O	
	ND(0.0016)	0.0030	L	
2020/11/16 7:43	ND(0.0014)	0.0031	O	
	ND(0.0015)	0.0022	L	
2020/11/24 8:00	ND(0.0018)	0.0022	O	
	ND(0.0014)	0.0023	L	
2020/12/1 7:47	ND(0.0014)	0.0031	O	
	ND(0.0014)	0.0030	L	
2020/12/7 7:47	ND(0.0014)	0.0030	O	
	ND(0.0014)	0.0032	L	

O: 上層(表層~2m) Outer Layer
L: 下層(海底より2~3m上) Lower Layer

福島第一原子力発電所沿岸海域の海水採取ポイント
 (Seawater sampling points near and around Fukushima Dai-ichi NPP)



* 図中の×は東京電力ホールディングス(株)福島第一原子力発電所を示す。
 * The legend × indicates the location of TEPCO Fukushima Dai-ichi NPP.