

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3年7月19日、20日

Radioactivity concentration in the seawater around Fukushima Dai-ichi NPP
 (Based on the press release of TEPCO^{※1})
 Sampling Date: Jul 19, 20, 2021

令和3年8月24日
 Aug 24, 2021

Cs-134	Cs-137	H-3	全α ^{※3} (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)							

	2021/4/6 14:55	0.0022	0.038	ND(0.31)		ND(12)			
T-3	2021/4/15 14:05	ND(0.0014)	0.020						O
	2021/4/20 10:20	ND(0.0011)	0.019	ND(0.29)		ND(13)			O
	2021/4/27 14:00	0.0022	0.039						O
	2021/5/6 11:20	0.0013	0.024	ND(0.30)		ND(13)			O
	2021/5/11 13:50	ND(0.0013)	0.019						O
	2021/5/18 14:55	ND(0.0014)	0.025	ND(0.32)		ND(13)			O
	2021/5/25 14:10	ND(0.0012)	0.017						O
	2021/6/1 10:35	ND(0.0012)	0.020	ND(0.32)		ND(11)			O
	2021/6/8 14:00	ND(0.0013)	0.013						O
	2021/6/15 10:20	ND(0.0012)	0.014	ND(0.29)		ND(13)			O
	2021/6/22 10:30	ND(0.0010)	0.015						O
	2021/6/29 14:05	ND(0.0013)	0.024						O
	2021/7/6 10:50	ND(0.0013)	0.022	ND(0.29)		ND(12)			O
	2021/7/13 14:05	ND(0.0013)	0.025						O
2021/7/20 10:35	ND(0.0014)	0.021						O	
T-4	2021/4/6 8:35	0.0017	0.040						O
	2021/4/15 8:25	ND(0.0014)	0.028						O
	2021/4/20 8:30	ND(0.0011)	0.017						O
	2021/4/27 8:25	0.0017	0.039						O
	2021/5/6 8:30	ND(0.0013)	0.016						O
	2021/5/11 8:15	ND(0.0012)	0.0098						O
	2021/5/18 9:50	ND(0.0013)	0.022						O
	2021/5/25 8:20	ND(0.0011)	0.0086						O
	2021/6/1 8:25	ND(0.0014)	0.010						O
	2021/6/8 8:20	ND(0.0013)	0.013						O
	2021/6/15 8:40	ND(0.0012)	0.0083						O
	2021/6/22 8:40	ND(0.0012)	0.015						O
	2021/6/29 9:00	ND(0.0013)	0.011						O
	2021/7/6 9:00	ND(0.0014)	0.017						O
2021/7/13 8:55	ND(0.0013)	0.021						O	
2021/7/20 8:40	ND(0.0010)	0.0091						O	
T-6	2021/4/6 10:20	0.0022	0.045	0.43		ND(12)			O
	2021/4/15 10:30	ND(0.0013)	0.025						O
	2021/4/20 13:40	ND(0.0013)	0.025	0.34		ND(12)			O
	2021/4/27 11:15	ND(0.0013)	0.020						O
	2021/5/6 14:10	ND(0.0013)	0.017	ND(0.30)		ND(13)			O
	2021/5/11 10:30	ND(0.0013)	0.012						O
	2021/5/18 11:55	ND(0.0014)	0.031	0.34		ND(13)			O
	2021/5/25 10:50	ND(0.0012)	0.0072						O
	2021/6/1 14:10	ND(0.0013)	0.012	ND(0.32)		12			O
	2021/6/8 10:35	ND(0.0014)	0.016						O
	2021/6/15 13:40	ND(0.0012)	0.012	ND(0.29)		ND(13)			O
	2021/6/22 13:35	ND(0.0012)	0.0087						O
	2021/6/29 10:10	ND(0.0013)	0.013						O
	2021/7/6 14:50	ND(0.0012)	0.010	ND(0.29)		ND(12)			O
2021/7/13 10:30	ND(0.0012)	0.0095						O	
2021/7/20 14:20	ND(0.0011)	0.0098						O	

O: 上層(表層~2m) Outer Layer

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

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

※1 Press release of TEPCO (<https://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 limits.

※3 分析方法: 蒸発乾固法

※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)							

		採取中止(No samples)							O	L		
T-5	2021/4/12 7:06	ND(0.0014)	0.0028	ND(0.32)		ND(14)		ND(0.0000078)	ND(0.0000074)	O	L	
		ND(0.0010)	0.0028							O	L	
	2021/4/21 7:19	ND(0.0010)	0.0015								O	L
		ND(0.0012)	0.0025								O	L
	2021/4/27 7:05	ND(0.0014)	0.0017								O	L
		ND(0.0013)	0.0023								O	L
	2021/5/6 7:11	ND(0.0014)	0.0017	ND(0.32)	ND(1.8)	17	ND(0.00078)				O	L
		ND(0.0010)	0.0023								O	L
	2021/5/10 7:08	ND(0.0014)	0.0028								O	L
		ND(0.0014)	0.0020								O	L
	2021/5/20 7:09	ND(0.0012)	0.0022	ND(0.32)			ND(13)				O	L
		ND(0.0012)	0.0014								O	L
	2021/5/24 8:16	ND(0.0013)	0.0024								O	L
		ND(0.0014)	0.0019								O	L
	2021/6/1 8:36	ND(0.0011)	0.0033	ND(0.30)	ND(2.1)	ND(14)	0.0011				O	L
		ND(0.0012)	0.0018								O	L
	2021/6/7 7:15	ND(0.0013)	0.0029								O	L
		ND(0.0012)	0.0028								O	L
	2021/6/14 7:06	ND(0.0012)	0.0024	ND(0.32)			ND(13)				O	L
		ND(0.0012)	0.0022								O	L
2021/6/21 7:01	ND(0.0011)	0.0020								O	L	
	ND(0.0013)	0.0022								O	L	
2021/6/28 7:14	ND(0.0013)	0.0023								O	L	
	ND(0.0012)	0.0021								O	L	
2021/7/5 7:10	ND(0.0012)	0.0031	ND(0.29)			ND(13)				O	L	
	ND(0.0013)	0.0021								O	L	
2021/7/12 6:40	ND(0.0012)	0.0013								O	L	
	ND(0.0013)	0.0024								O	L	
2021/7/19 7:04	ND(0.0013)	0.0037								O	L	
	ND(0.0012)	0.0022								O	L	
T-D1	2021/4/8 7:41	ND(0.0013)	0.0030					ND(0.000058)	ND(0.000060)	O	L	
		ND(0.0013)	0.0051							O	L	
	2021/4/12 7:45	ND(0.0010)	0.0037	ND(0.32)		ND(14)					O	L
		ND(0.0011)	0.0046								O	L
	2021/4/20 7:42	ND(0.0011)	0.0088								O	L
		ND(0.0013)	0.0082								O	L
	2021/4/27 7:39	ND(0.0012)	0.0036								O	L
		ND(0.0012)	0.0064								O	L
	2021/5/6 8:01	ND(0.0014)	0.0073	ND(0.29)	ND(1.8)	ND(13)	ND(0.00062)				O	L
		ND(0.0011)	0.0088								O	L
	2021/5/10 7:48	ND(0.0012)	0.0042								O	L
		ND(0.0014)	0.0056								O	L
	2021/5/19 7:58	ND(0.0012)	0.0038	ND(0.29)			15				O	L
		ND(0.0013)	0.0083								O	L
	2021/5/24 7:54	ND(0.0010)	0.0048								O	L
		ND(0.0010)	0.0049								O	L
	2021/6/1 7:53	ND(0.0012)	0.0032	ND(0.30)	ND(2.1)	ND(14)	0.0010				O	L
		ND(0.0010)	0.0058								O	L
	2021/6/7 7:40	ND(0.0014)	0.0051								O	L
		ND(0.0011)	0.0094								O	L
2021/6/14 7:45	ND(0.0010)	0.0033	0.40			17				O	L	
	ND(0.0012)	0.0033								O	L	
2021/6/21 7:41	ND(0.0013)	0.0069								O	L	
	ND(0.0012)	0.0041								O	L	
2021/6/28 7:46	ND(0.0012)	0.0031								O	L	
	ND(0.0013)	0.0041								O	L	
2021/7/5 8:01	ND(0.0011)	0.0050	ND(0.29)			ND(13)				O	L	
	ND(0.0012)	0.0055								O	L	
2021/7/12 6:48	ND(0.0011)	0.0028								O	L	
	ND(0.0013)	0.019								O	L	
2021/7/19 7:39	ND(0.0012)	0.0027								O	L	
	ND(0.00095)	0.0049								O	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-D5	2021/4/8 8:10	ND(0.0013) ND(0.0014)	0.0041 0.0070				ND(0.000063)	0.000066	O L
	2021/4/12 8:11	ND(0.0011) ND(0.0012)	0.0051 0.0032	ND(0.32)		ND(14)			O L
	2021/4/20 8:04	ND(0.0012) ND(0.0013)	0.0065 0.0046						O L
	2021/4/27 8:05	ND(0.0014) ND(0.0012)	0.0051 0.0050						O L
	2021/5/6 8:40	ND(0.0012) ND(0.0012)	0.0074 0.0035	0.33	ND(1.8)	ND(13)	0.00064		O L
	2021/5/10 8:12	ND(0.0014) ND(0.0011)	0.0042 0.0045						O L
	2021/5/19 8:25	ND(0.0012) ND(0.0014)	0.0049 0.0091	0.35		ND(12)			O L
	2021/5/24 8:21	ND(0.0012) ND(0.0012)	0.0036 0.0042						O L
	2021/6/1 8:23	ND(0.0011) ND(0.0010)	0.0057 0.0072	ND(0.30)	ND(2.1)	ND(14)	ND(0.00064)		O L
	2021/6/7 8:04	ND(0.0011) ND(0.0011)	0.011 0.010						O L
	2021/6/14 8:09	ND(0.0013) ND(0.0014)	0.0038 0.0034	ND(0.32)		14			O L
	2021/6/21 8:10	ND(0.0011) ND(0.0012)	0.0042 0.0034						O L
	2021/6/28 8:11	ND(0.0014) ND(0.0012)	0.0040 0.0048						O L
	2021/7/5 8:35	ND(0.0012) ND(0.0012)	0.0029 0.0014	ND(0.29)		ND(13)			O L
	2021/7/12 7:14	ND(0.0011) ND(0.0011)	0.0045 0.0037						O L
	2021/7/19 8:03	ND(0.0014) ND(0.0013)	0.010 0.0021						O L

T-D9	採取中止(No samples)									O L
	2021/4/12 8:02	ND(0.0012) ND(0.0013)	0.0062 0.0044	ND(0.32)		ND(14)		ND(0.000075)	ND(0.000079)	O L
	2021/4/21 8:05	ND(0.0013) ND(0.0012)	0.0035 0.0039							O L
	2021/4/27 7:54	ND(0.0012) ND(0.0013)	0.0064 0.0056							O L
	2021/5/6 8:08	ND(0.0012) ND(0.0013)	0.0061 0.0027	0.44	ND(1.8)	ND(13)	0.0012			O L
	2021/5/10 8:05	ND(0.0014) ND(0.0011)	0.0043 0.0056							O L
	2021/5/20 7:58	ND(0.0012) ND(0.0012)	0.0038 0.011	ND(0.32)		ND(13)				O L
	2021/5/24 9:24	ND(0.0013) ND(0.0013)	0.0064 0.0057							O L
	2021/6/1 9:47	ND(0.00098) ND(0.0010)	0.0044 0.0050	ND(0.30)	ND(2.1)	ND(14)	ND(0.00082)			O L
	2021/6/7 8:00	ND(0.0013) ND(0.0014)	0.0032 0.0069							O L
	2021/6/14 7:56	ND(0.0011) ND(0.0012)	0.0048 0.0035	ND(0.32)		18				O L
	2021/6/21 7:48	ND(0.0012) ND(0.0011)	0.0029 0.0024							O L
	2021/6/28 7:59	ND(0.0012) ND(0.0012)	0.0033 0.0055							O L
	2021/7/5 7:59	ND(0.0013) ND(0.0014)	0.0040 0.0025	ND(0.29)		ND(13)				O L
	2021/7/12 6:04	ND(0.0012) ND(0.0012)	0.0047 0.0042							O L
	2021/7/19 7:52	ND(0.0013) ND(0.0013)	0.0029 0.0026							O 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

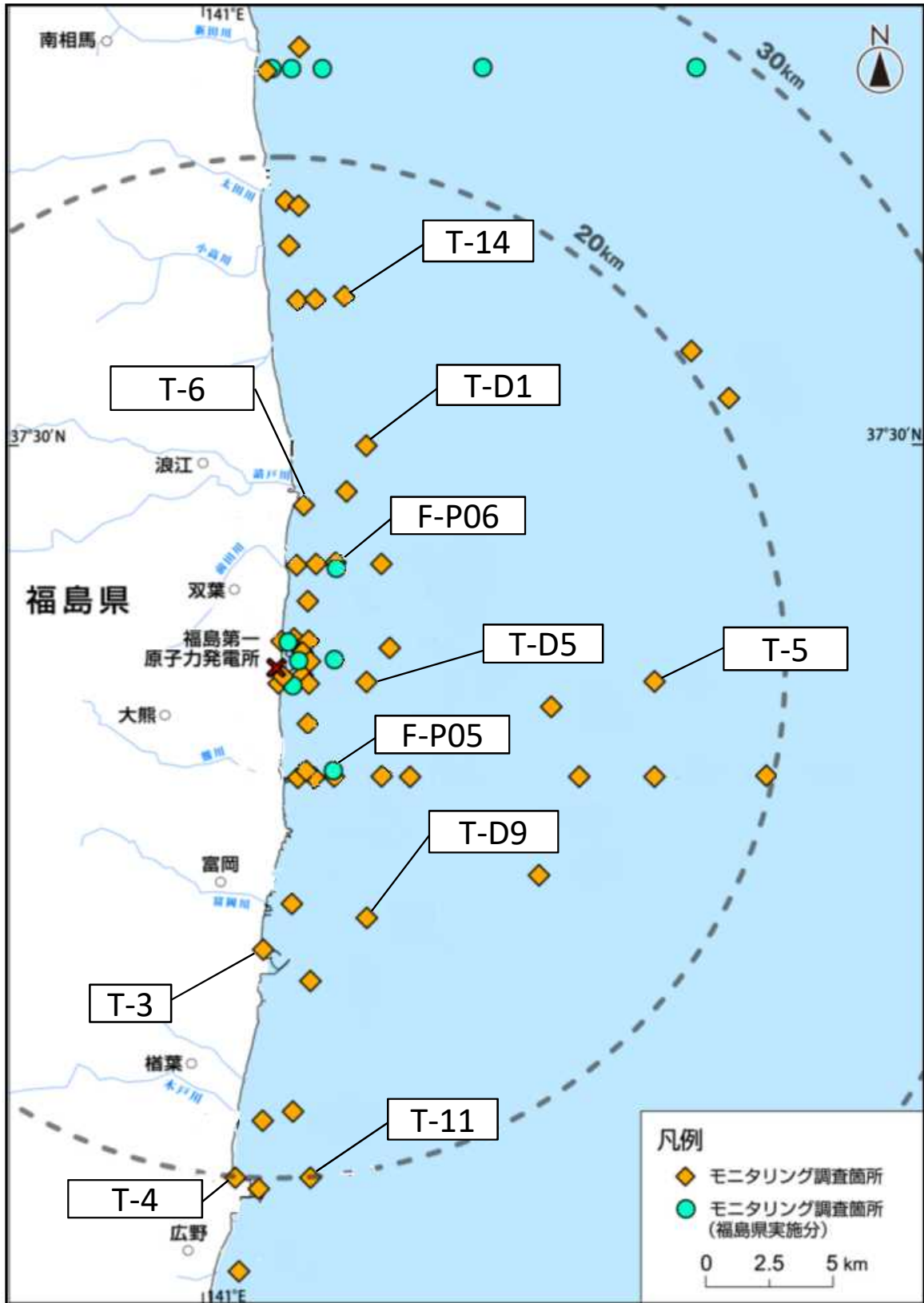
放射性物質濃度 (検出下限値) (Bq/L) (ND※2 : 不検出)
Radioactivity concentration (Lower detection limit) (Bq/L) (ND※2 : Not Detectable)

		採取中止(No samples)		
T-11	2021/4/12 8:35	ND(0.0012)	0.0054	O
		ND(0.0014)	0.0045	L
	2021/4/21 8:35	ND(0.0011)	0.0058	O
		ND(0.0012)	0.0050	L
	2021/4/27 8:21	ND(0.0013)	0.0034	O
		ND(0.0014)	0.017	L
	2021/5/6 8:44	ND(0.0012)	0.0052	O
		ND(0.0012)	0.0029	L
	2021/5/10 8:45	ND(0.00099)	0.0044	O
		ND(0.0012)	0.0046	L
	2021/5/20 8:29	ND(0.0013)	0.0099	O
		ND(0.0014)	0.0078	L
	2021/5/24 10:06	ND(0.0014)	0.0070	O
		ND(0.0013)	0.0048	L
	2021/6/1 10:30	ND(0.0012)	0.0037	O
		ND(0.0011)	0.0061	L
	2021/6/7 8:26	ND(0.0013)	0.0064	O
		ND(0.0013)	0.017	L
	2021/6/14 8:24	ND(0.0013)	0.0049	O
		ND(0.0014)	0.0039	L
	2021/6/21 8:17	ND(0.0013)	0.0055	O
		ND(0.00098)	0.0033	L
	2021/6/28 8:24	ND(0.0012)	0.0028	O
		ND(0.0014)	0.0043	L
	2021/7/5 8:39	ND(0.0011)	0.0051	O
		ND(0.0012)	0.0042	L
	2021/7/12 5:29	ND(0.0012)	0.0079	O
		ND(0.0012)	0.0045	L
2021/7/19 8:21	ND(0.0012)	0.0029	O	
	ND(0.0013)	0.0032	L	

T-14	2021/4/8 7:22	ND(0.0013)	0.0031	O
		ND(0.0015)	0.0025	L
	2021/4/12 7:27	ND(0.0014)	0.0032	O
		ND(0.0014)	0.0037	L
	2021/4/20 7:24	ND(0.0012)	0.0054	O
		ND(0.0014)	0.0099	L
	2021/4/27 7:22	ND(0.0015)	0.0032	O
		ND(0.0014)	0.0052	L
	2021/5/6 7:34	ND(0.0016)	0.0027	O
		ND(0.0015)	0.0037	L
	2021/5/10 7:30	ND(0.0015)	0.0029	O
		ND(0.0014)	0.0034	L
	2021/5/19 7:38	ND(0.0012)	0.0044	O
		ND(0.0015)	0.0093	L
	2021/5/24 7:33	ND(0.0016)	0.0041	O
		ND(0.0014)	0.0041	L
	2021/6/1 7:30	ND(0.0015)	0.0034	O
		ND(0.0015)	0.0049	L
	2021/6/7 7:22	ND(0.0018)	0.0029	O
		ND(0.0016)	0.0086	L
	2021/6/14 7:25	ND(0.0015)	0.0034	O
		ND(0.0015)	0.0038	L
	2021/6/21 7:21	ND(0.0013)	0.0053	O
		ND(0.0014)	0.0034	L
	2021/6/28 7:28	ND(0.0014)	0.0027	O
		ND(0.0015)	0.0027	L
	2021/7/5 7:38	ND(0.0014)	0.0028	O
		ND(0.0015)	0.0038	L
2021/7/12 6:29	ND(0.0014)	0.0044	O	
	ND(0.0014)	0.0053	L	
2021/7/19 7:22	ND(0.0014)	0.0028	O	
	ND(0.0014)	0.0037	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.