

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3月1日、2日

Radioactivity concentration in the seawater around Fukushima Dai-ichi NPP
 (Based on the press release of TEPCO^{※1})
 Sampling Date: Mar 1, 2, 2021

令和3年4月6日
 Apr 6, 2021

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|--------|--------|-----|-----------------|-------------------------------|-------|--------|------------|
| 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)

| | 2020/11/17 14:10 | 2020/11/24 14:40 | 2020/12/1 11:45 | 2020/12/8 14:10 | 2020/12/15 10:40 | 2020/12/22 13:45 | 2020/12/28 10:15 | 2021/1/5 14:00 | 2021/1/14 14:00 | 2021/1/19 10:30 | 2021/1/26 14:55 | 2021/2/2 14:20 | 2021/2/9 10:50 | 2021/2/16 14:20 | 2021/2/24 14:00 | 2021/3/2 13:50 | |
|-------|------------------|------------------|-----------------|-----------------|------------------|------------------|------------------|----------------|-----------------|-----------------|-----------------|----------------|----------------|-----------------|-----------------|-------------------|-------------------|
| T-3 | ND(0.0013) | ND(0.0012) | ND(0.0014) | ND(0.0013) | ND(0.0012) | ND(0.0013) | ND(0.0013) | ND(0.0013) | ND(0.0012) | ND(0.0011) | ND(0.0014) | ND(0.0012) | ND(0.0013) | 0.0017 | ND(0.0012) | ND(0.0013) | |
| | 0.014 | 0.014 | 0.015 | 0.012 | 0.016 | 0.015 | 0.013 | 0.013 | 0.0089 | 0.0095 | 0.019 | 0.017 | 0.013 | 0.038 | 0.014 | 0.022 | |
| | 0.56 | | 0.61 | | ND(0.28) | | | ND(0.30) | | ND(0.30) | | ND(0.29) | | ND(0.31) | | | |
| | ND(13) | | 14 | | ND(13) | | | ND(12) | | ND(15) | | ND(13) | | ND(13) | | | |
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| | T-4 | ND(0.0012) | ND(0.0013) | ND(0.0013) | ND(0.0012) | ND(0.0013) | ND(0.0013) | ND(0.0013) | 0.0014 | ND(0.0012) | ND(0.0011) | ND(0.0013) | 0.0047 | ND(0.0014) | 0.0016 | ND(0.0014) | ND(0.0014) |
| 0.014 | | 0.014 | 0.012 | 0.014 | 0.019 | 0.013 | 0.015 | 0.024 | 0.0088 | 0.014 | 0.021 | 0.088 | 0.023 | 0.029 | 0.011 | 0.024 | |
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| T-6 | ND(0.0010) | ND(0.0011) | ND(0.0013) | ND(0.0013) | ND(0.0012) | ND(0.0011) | ND(0.0014) | ND(0.0011) | ND(0.0013) | ND(0.0012) | ND(0.0014) | 0.0014 | ND(0.0011) | 0.0022 | ND(0.0014) | 0.0020 | |
| | 0.014 | 0.016 | 0.010 | 0.013 | 0.013 | 0.0090 | 0.0076 | 0.014 | 0.012 | 0.024 | 0.023 | 0.036 | 0.013 | 0.043 | 0.017 | 0.045 | |
| | 0.31 | | 0.39 | | ND(0.28) | | | ND(0.30) | | ND(0.30) | | ND(0.29) | | ND(0.31) | | | |
| | ND(14) | | ND(13) | | ND(13) | | | 13 | | ND(15) | | ND(13) | | 14 | | | |
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○: 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) | | | | | | | |

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|------------------|-------------------|---------------|----------|----------|---------|---------|-------------|---|---|
| T-5 | 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 | 0.47 | ND(2.3) | ND(13) | ND(0.00076) | | O |
| | | ND(0.0014) | 0.0032 | | | | | | L |
| | 2020/12/7 8:25 | ND(0.0014) | 0.0016 | | | | | | O |
| | | ND(0.0013) | 0.0020 | | | | | | L |
| | 2020/12/16 7:17 | ND(0.0012) | 0.0013 | ND(0.32) | | ND(13) | | | O |
| | | ND(0.0010) | 0.0020 | | | | | | L |
| | 2020/12/21 8:21 | ND(0.0013) | 0.0025 | | | | | | O |
| | | ND(0.0013) | 0.0016 | | | | | | L |
| | 2020/12/28 8:25 | ND(0.0013) | 0.0023 | | | | | | O |
| | | ND(0.0012) | 0.0027 | | | | | | L |
| | 2021/1/4 8:19 | ND(0.0012) | 0.0022 | ND(0.30) | ND(2.1) | 13 | 0.0012 | | O |
| | | ND(0.0013) | 0.0025 | | | | | | L |
| | 2021/1/12 8:17 | ND(0.0012) | 0.0015 | | | | | | O |
| | | ND(0.0010) | 0.0022 | | | | | | L |
| | 2021/1/18 8:08 | ND(0.0013) | 0.0030 | ND(0.28) | | ND(15) | | | O |
| | | ND(0.0012) | 0.0027 | | | | | | L |
| 採取中止(No samples) | | | | | | | | | |
| 2021/2/1 8:04 | ND(0.0012) | 0.0022 | ND(0.31) | ND(1.8) | ND(11) | 0.00095 | | O | |
| | ND(0.0012) | 0.0034 | | | | | | L | |
| 2021/2/10 8:09 | ND(0.0011) | 0.0020 | | | | | | O | |
| | ND(0.0011) | 0.0029 | | | | | | L | |
| 2021/2/19 7:39 | ND(0.0014) | 0.0026 | ND(0.32) | | ND(12) | | | O | |
| | ND(0.0012) | 0.0023 | | | | | | L | |
| 2021/2/22 8:13 | ND(0.0011) | 0.0014 | | | | | | O | |
| | ND(0.0012) | 0.0028 | | | | | | L | |
| 2021/3/1 8:12 | ND(0.0014) | 0.0026 | | | | | | O | |
| | ND(0.0013) | 0.0020 | | | | | | L | |
| T-D1 | 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 | 0.36 | ND(1.8) | ND(13) | 0.0010 | | O |
| | | ND(0.0013) | 0.0050 | | | | | | L |
| | 2020/12/7 8:10 | ND(0.0014) | 0.0043 | | | | | | O |
| | | ND(0.0011) | 0.0027 | | | | | | L |
| | 2020/12/15 8:03 | ND(0.0013) | 0.0037 | ND(0.29) | | ND(13) | | | O |
| | | ND(0.0012) | 0.013 | | | | | | L |
| | 2020/12/21 8:05 | ND(0.0011) | 0.0028 | | | | | | O |
| | | ND(0.0011) | 0.0034 | | | | | | L |
| | 2020/12/28 7:58 | ND(0.0012) | 0.0027 | | | | | | O |
| | | ND(0.0013) | 0.0029 | | | | | | L |
| | 2021/1/4 8:14 | ND(0.0013) | 0.0040 | ND(0.31) | ND(2.3) | 13 | ND(0.00081) | | O |
| | | ND(0.0013) | 0.0027 | | | | | | L |
| | 2021/1/12 8:02 | ND(0.0012) | 0.0034 | | | | | | O |
| | | ND(0.0012) | 0.0034 | | | | | | L |
| | 2021/1/18 8:14 | ND(0.0014) | 0.0027 | ND(0.32) | | ND(15) | | | O |
| | | ND(0.0011) | 0.0031 | | | | | | L |
| 採取中止(No samples) | | | | | | | | | |
| 2021/2/1 7:55 | ND(0.0013) | 0.0044 | ND(0.28) | ND(1.9) | ND(11) | 0.0015 | | O | |
| | ND(0.0012) | 0.0087 | | | | | | L | |
| 2021/2/10 8:10 | ND(0.0014) | 0.0079 | | | | | | O | |
| | ND(0.0014) | 0.0075 | | | | | | L | |
| 2021/2/17 7:55 | ND(0.00094) | 0.012 | 0.46 | | ND(12) | | | O | |
| | ND(0.0011) | 0.012 | | | | | | L | |
| 2021/2/22 7:59 | ND(0.0013) | 0.0086 | | | | | | O | |
| | ND(0.0014) | 0.018 | | | | | | L | |
| 2021/3/1 8:05 | ND(0.0012) | 0.0069 | | | | | | O | |
| | ND(0.0014) | 0.0079 | | | | | | 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) | | | | | | | |

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|------------------|------------------|--|--------------------------------|------------------|----------|---------|-------------|---------|--------|--------|
| T-D5 | 2020/11/16 8:35 | ND(0.0010) ND(0.0012) | 0.0029 0.0030 | 0.52 | | ND(15) | | | O L | |
| | 2020/11/24 8:51 | ND(0.0012) ND(0.0012) | 0.0026 0.0026 | | | | | | O L | |
| | 2020/12/1 8:49 | ND(0.0011) ND(0.0011) | 0.0038 0.0029 | 0.53 | ND(1.8) | ND(13) | ND(0.00073) | | O L | |
| | 2020/12/7 8:40 | ND(0.0010) ND(0.0012) | 0.0037 0.0029 | | | | | | O L | |
| | 2020/12/15 8:29 | ND(0.0013) ND(0.0014) | 0.0031 0.0042 | ND(0.29) | | ND(13) | | | O L | |
| | 2020/12/21 8:35 | ND(0.0014) ND(0.0014) | 0.0027 0.0021 | | | | | | O L | |
| | 2020/12/28 8:26 | ND(0.0014) ND(0.0011) | 0.0018 0.0031 | | | | | | O L | |
| | 2021/1/4 8:52 | ND(0.0013) ND(0.0011) | 0.0037 0.0031 | ND(0.31) | ND(2.3) | ND(13) | 0.0012 | | O L | |
| | 2021/1/12 8:27 | ND(0.0014) ND(0.0012) | 0.0035 0.0034 | | | | | | O L | |
| | 2021/1/18 8:41 | ND(0.0011) ND(0.0012) | 0.0026 0.0031 | ND(0.32) | | ND(15) | | | O L | |
| | 採取中止(No samples) | | | | | | | | | |
| | 2021/2/1 8:22 | ND(0.0013) ND(0.0014) | 0.0030 0.0045 | 0.43 | ND(1.9) | 13 | 0.0011 | | O L | |
| | 2021/2/10 8:40 | ND(0.0011) ND(0.0011) | 0.0016 0.0032 | | | | | | O L | |
| | 2021/2/17 8:24 | ND(0.0012) ND(0.0012) | 0.0041 0.0040 | ND(0.28) | | ND(12) | | | O L | |
| | 2021/2/22 8:24 | ND(0.0013) ND(0.0012) | 0.0036 0.0043 | | | | | | O L | |
| | 2021/3/1 8:40 | ND(0.0014) ND(0.0014) | 0.0039 0.0033 | | | | | | O L | |
| | T-D9 | 2020/11/16 9:25 | ND(0.0013) ND(0.0013) | 0.0065 0.0052 | ND(0.29) | | ND(15) | | | O L |
| | | 2020/11/24 9:38 | ND(0.0013) ND(0.0013) | 0.0037 0.0042 | | | | | | O L |
| | | 2020/12/1 9:32 | ND(0.0011) ND(0.0013) | 0.0026 0.0025 | ND(0.28) | ND(1.9) | ND(13) | 0.00079 | | O L |
| | | 2020/12/7 9:47 | ND(0.0013) ND(0.0013) | 0.0044 0.0037 | | | | | | O L |
| 2020/12/16 8:13 | | ND(0.0012) ND(0.0012) | 0.0033 0.0020 | ND(0.32) | | ND(13) | | | O L | |
| 2020/12/21 9:30 | | ND(0.0012) ND(0.0010) | 0.0020 0.0024 | | | | | | O L | |
| 2020/12/28 9:24 | | ND(0.0011) ND(0.0012) | 0.0033 0.0029 | | | | | | O L | |
| 2021/1/4 9:21 | | ND(0.0012) ND(0.0013) | 0.0033 0.012 | ND(0.30) | ND(2.1) | ND(13) | 0.0013 | | O L | |
| 2021/1/12 9:22 | | ND(0.0012) ND(0.0013) | 0.0023 0.0026 | | | | | | O L | |
| 2021/1/18 9:23 | | ND(0.0013) ND(0.0014) | 0.0026 0.0030 | ND(0.28) | | ND(15) | | | O L | |
| 採取中止(No samples) | | | | | | | | | | |
| 2021/2/1 9:15 | | ND(0.0010) ND(0.0011) | 0.0026 0.0064 | ND(0.31) | ND(1.8) | 16 | 0.0015 | | O L | |
| 2021/2/10 9:13 | | ND(0.0012) ND(0.0011) | 0.0024 0.0024 | | | | | | O L | |
| 2021/2/19 8:33 | | ND(0.0011) ND(0.0012) | 0.0029 0.0030 | 0.39 | | ND(12) | | | O L | |
| 2021/2/22 9:32 | | ND(0.0013) ND(0.0014) | 0.0035 0.0029 | | | | | | O L | |
| 2021/3/1 9:21 | | ND(0.0013) ND(0.0012) | 0.0034 0.0040 | | | | | | 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

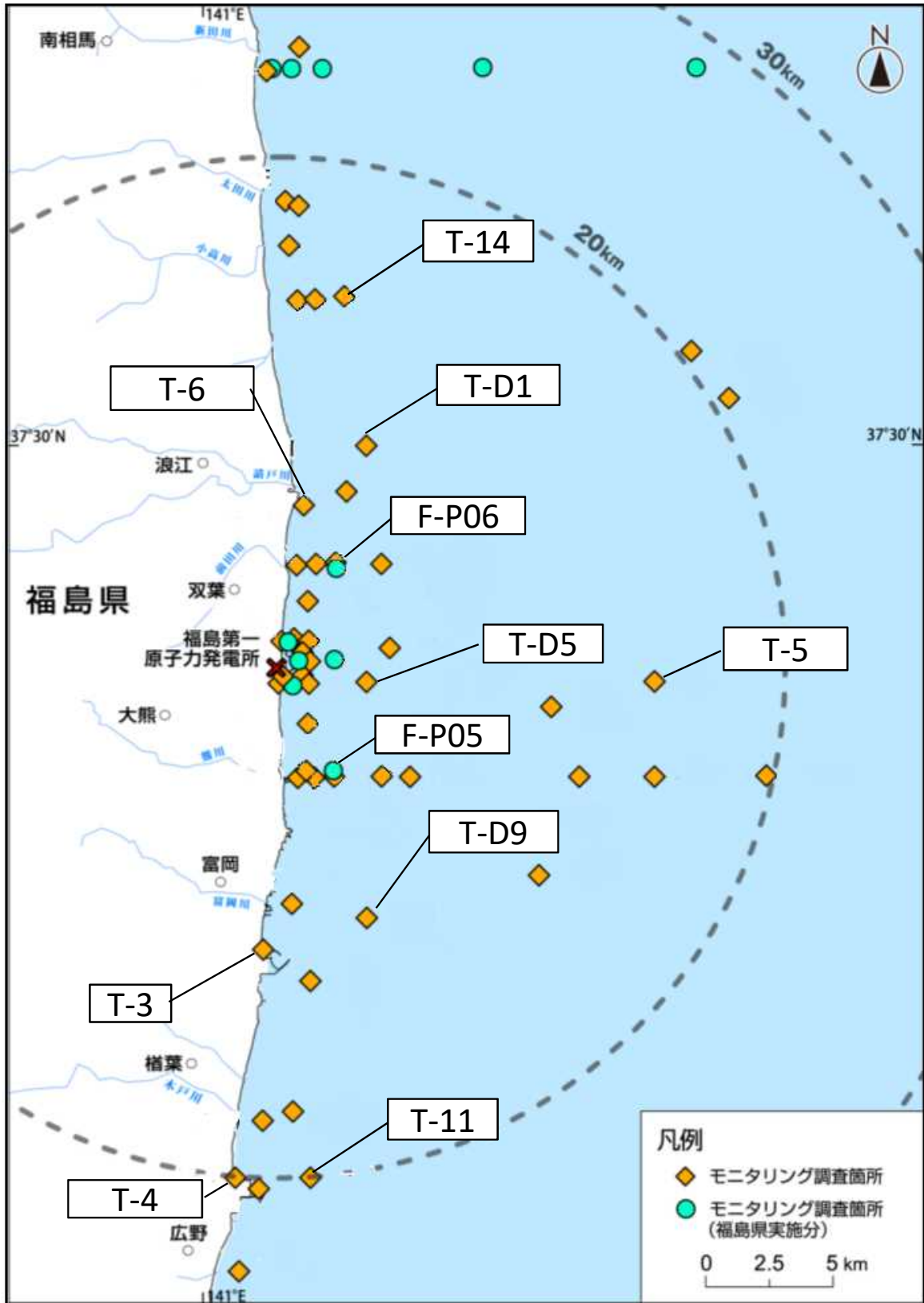
放射性物質濃度 (検出下限値) (Bq/L) (ND※2: 不検出)
Radioactivity concentration (Lower detection limit) (Bq/L) (ND※2: Not Detectable)

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|------------------|--------------------|---------------|--------|---|
| T-11 | 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 |
| | 2020/12/16 8:43 | ND(0.0010) | 0.0074 | O |
| | | ND(0.0012) | 0.0076 | L |
| | 2020/12/21 10:11 | ND(0.0013) | 0.0065 | O |
| | | ND(0.0014) | 0.0052 | L |
| | 2020/12/28 10:00 | ND(0.0014) | 0.0063 | O |
| | | ND(0.0013) | 0.0044 | L |
| | 2021/1/4 10:06 | ND(0.0013) | 0.0080 | O |
| | | ND(0.0012) | 0.0082 | L |
| | 2021/1/12 9:59 | ND(0.0011) | 0.0040 | O |
| | | ND(0.0011) | 0.0041 | L |
| | 2021/1/18 10:00 | ND(0.0013) | 0.0032 | O |
| | | ND(0.0014) | 0.0048 | L |
| 採取中止(No samples) | | | | O |
| 2021/2/1 10:02 | ND(0.0013) | 0.0039 | O | |
| | ND(0.0014) | 0.0060 | L | |
| 2021/2/10 9:55 | ND(0.0012) | 0.0025 | O | |
| | ND(0.0012) | 0.0031 | L | |
| 2021/2/19 9:04 | ND(0.0013) | 0.0022 | O | |
| | ND(0.0012) | 0.0032 | L | |
| 2021/2/22 10:18 | ND(0.0012) | 0.0043 | O | |
| | ND(0.0012) | 0.0043 | L | |
| 2021/3/1 10:11 | ND(0.00099) | 0.0031 | O | |
| | ND(0.0012) | 0.0035 | L | |

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|------------------|-------------------|---------------|--------|---|
| T-14 | 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 |
| | 2020/12/15 7:46 | ND(0.0015) | 0.0029 | O |
| | | ND(0.0014) | 0.0033 | L |
| | 2020/12/21 7:39 | ND(0.0014) | 0.0031 | O |
| | | ND(0.0013) | 0.0031 | L |
| | 2020/12/28 7:37 | ND(0.0014) | 0.0025 | O |
| | | ND(0.0013) | 0.0026 | L |
| | 2021/1/4 7:41 | ND(0.0015) | 0.0050 | O |
| | | ND(0.0014) | 0.0034 | L |
| | 2021/1/12 7:43 | ND(0.0013) | 0.0055 | O |
| | | ND(0.0016) | 0.0025 | L |
| | 2021/1/18 7:53 | ND(0.0019) | 0.0020 | O |
| | | ND(0.0014) | 0.0032 | L |
| 採取中止(No samples) | | | | O |
| 2021/2/1 7:31 | ND(0.0013) | 0.0035 | O | |
| | ND(0.0014) | 0.010 | L | |
| 2021/2/10 7:48 | ND(0.0015) | 0.0036 | O | |
| | ND(0.0015) | 0.0031 | L | |
| 2021/2/17 7:32 | ND(0.0015) | 0.019 | O | |
| | ND(0.0016) | 0.018 | L | |
| 2021/2/22 7:40 | ND(0.0015) | 0.0076 | O | |
| | ND(0.0014) | 0.0091 | L | |
| 2021/3/1 7:39 | ND(0.0014) | 0.0070 | O | |
| | ND(0.0017) | 0.020 | 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.