

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4月1日、12日、20日、21日

Radioactivity concentration in the seawater around Fukushima Dai-ichi NPP
 (Based on the press release of TEPCO^{※1})
 Sampling Date: Apr 1, 12, 20, 21, 2021

令和3年5月25日
 May 25, 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)

| | 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 | 2021/3/9 14:05 | 2021/3/16 10:25 | 2021/3/23 14:15 | 2021/3/30 14:05 | 2021/4/6 14:55 | 2021/4/15 14:05 | 2021/4/20 10:20 |
|-------|----------------|-----------------|-----------------|-----------------|----------------|----------------|-----------------|-----------------|----------------|----------------|-----------------|-----------------|-----------------|----------------|-----------------|-------------------|
| T-3 | 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) | ND(0.0011) | ND(0.0013) | ND(0.0012) | ND(0.0011) | 0.0022 | ND(0.0014) | ND(0.0011) |
| | 0.013 | 0.0089 | 0.0095 | 0.019 | 0.017 | 0.013 | 0.038 | 0.014 | 0.022 | 0.022 | 0.022 | 0.015 | 0.021 | 0.038 | 0.020 | 0.019 |
| | ND(0.30) | | ND(0.30) | | ND(0.29) | | ND(0.31) | | ND(0.27) | | ND(0.30) | | | ND(0.31) | | ND(0.29) |
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| | T-4 | 0.0014 | ND(0.0012) | ND(0.0011) | ND(0.0013) | 0.0047 | ND(0.0014) | 0.0016 | ND(0.0014) | ND(0.0014) | ND(0.0014) | ND(0.0011) | ND(0.0012) | ND(0.0011) | 0.0015 | 0.0017 |
| 0.024 | | 0.0088 | 0.014 | 0.021 | 0.088 | 0.023 | 0.029 | 0.011 | 0.024 | 0.022 | 0.020 | 0.014 | 0.032 | 0.040 | 0.017 | |
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| T-6 | | ND(0.0011) | ND(0.0013) | ND(0.0012) | ND(0.0014) | 0.0014 | ND(0.0011) | 0.0022 | ND(0.0014) | 0.0020 | ND(0.0012) | ND(0.0013) | ND(0.0011) | 0.0013 | 0.0022 | ND(0.0013) |
| | 0.014 | 0.012 | 0.024 | 0.023 | 0.036 | 0.013 | 0.043 | 0.017 | 0.045 | 0.024 | 0.020 | 0.020 | 0.031 | 0.045 | 0.025 | 0.025 |
| | ND(0.30) | | ND(0.30) | | ND(0.29) | | ND(0.31) | | ND(0.27) | | ND(0.30) | | | 0.43 | | 0.34 |
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○: 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(<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>)

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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) | | | | | | | |

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|-----|------------------|--------------------------|------------------|----------|---------|--------|-------------|--------|--|
| T-5 | 2021/1/4 8:19 | ND(0.0012) ND(0.0013) | 0.0022 0.0025 | ND(0.30) | ND(2.1) | 13 | 0.0012 | O L | |
| | 2021/1/12 8:17 | ND(0.0012) ND(0.0010) | 0.0015 0.0022 | | | | | O L | |
| | 2021/1/18 8:08 | ND(0.0013) ND(0.0012) | 0.0030 0.0027 | ND(0.28) | | ND(15) | | O L | |
| | 採取中止(No samples) | | | | | | | | |
| | 2021/2/1 8:04 | ND(0.0012) ND(0.0012) | 0.0022 0.0034 | ND(0.31) | ND(1.8) | ND(11) | 0.00095 | O L | |
| | 2021/2/10 8:09 | ND(0.0011) ND(0.0011) | 0.0020 0.0029 | | | | | O L | |
| | 2021/2/19 7:39 | ND(0.0014) ND(0.0012) | 0.0026 0.0023 | ND(0.32) | | ND(12) | | O L | |
| | 2021/2/22 8:13 | ND(0.0011) ND(0.0012) | 0.0014 0.0028 | | | | | O L | |
| | 2021/3/1 8:12 | ND(0.0014) ND(0.0013) | 0.0026 0.0020 | ND(0.28) | ND(1.8) | ND(13) | ND(0.00075) | O L | |
| | 2021/3/9 7:40 | ND(0.0014) ND(0.0013) | 0.0030 0.0028 | | | | | O L | |
| | 2021/3/15 8:23 | ND(0.0012) ND(0.0013) | 0.0027 0.0033 | ND(0.29) | | ND(15) | | O L | |
| | 2021/3/23 7:09 | ND(0.0014) ND(0.0010) | 0.0022 0.0021 | | | | | O L | |
| | 2021/4/1 8:43 | ND(0.0011) ND(0.0014) | 0.0036 0.0030 | ND(0.31) | ND(1.9) | ND(15) | ND(0.00071) | O L | |
| | 採取中止(No samples) | | | | | | | | |
| | 2021/4/12 7:06 | ND(0.0014) ND(0.0010) | 0.0028 0.0028 | ND(0.32) | | ND(14) | | O L | |
| | 2021/4/21 7:19 | ND(0.0010) ND(0.0012) | 0.0015 0.0025 | | | | | O L | |

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|------|------------------|---------------------------|------------------|----------|---------|--------|-------------|--------|--|
| T-D1 | 2021/1/4 8:14 | ND(0.0013) ND(0.0013) | 0.0040 0.0027 | ND(0.31) | ND(2.3) | 13 | ND(0.00081) | O L | |
| | 2021/1/12 8:02 | ND(0.0012) ND(0.0012) | 0.0034 0.0034 | | | | | O L | |
| | 2021/1/18 8:14 | ND(0.0014) ND(0.0011) | 0.0027 0.0031 | ND(0.32) | | ND(15) | | O L | |
| | 採取中止(No samples) | | | | | | | | |
| | 2021/2/1 7:55 | ND(0.0013) ND(0.0012) | 0.0044 0.0087 | ND(0.28) | ND(1.9) | ND(11) | 0.0015 | O L | |
| | 2021/2/10 8:10 | ND(0.0014) ND(0.0014) | 0.0079 0.0075 | | | | | O L | |
| | 2021/2/17 7:55 | ND(0.00094) ND(0.0011) | 0.012 0.012 | 0.46 | | ND(12) | | O L | |
| | 2021/2/22 7:59 | ND(0.0013) ND(0.0014) | 0.0086 0.018 | | | | | O L | |
| | 2021/3/1 8:05 | ND(0.0012) ND(0.0014) | 0.0069 0.0079 | ND(0.31) | ND(2.2) | 16 | 0.0011 | O L | |
| | 2021/3/8 7:52 | ND(0.0011) ND(0.0013) | 0.0049 0.0043 | | | | | O L | |
| | 2021/3/15 7:59 | ND(0.0012) ND(0.0012) | 0.0031 0.0041 | ND(0.29) | | ND(15) | | O L | |
| | 2021/3/24 7:55 | ND(0.0013) ND(0.0014) | 0.0037 0.0042 | | | | | O L | |
| | 2021/4/1 8:09 | ND(0.0012) ND(0.0013) | 0.0036 0.0049 | ND(0.29) | ND(1.9) | ND(15) | ND(0.00069) | O L | |
| | 2021/4/8 7:41 | ND(0.0013) ND(0.0013) | 0.0030 0.0051 | | | | | O L | |
| | 2021/4/12 7:45 | ND(0.0010) ND(0.0011) | 0.0037 0.0046 | ND(0.32) | | ND(14) | | O L | |
| | 2021/4/20 7:42 | ND(0.0011) ND(0.0013) | 0.0088 0.0082 | | | | | O L | |

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

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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) | | | | | | | |

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|------|------------------|--------------------------|------------------|----------|---------|--------|---------|--|--------|--|
| T-D5 | 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 | ND(0.31) | ND(2.2) | 16 | 0.0011 | | O L | |
| | 2021/3/8 8:15 | ND(0.0011) ND(0.0013) | 0.0040 0.0062 | | | | | | O L | |
| | 2021/3/15 8:27 | ND(0.0013) ND(0.0014) | 0.0069 0.0042 | ND(0.29) | | ND(15) | | | O L | |
| | 2021/3/24 8:23 | ND(0.0013) ND(0.0014) | 0.0045 0.0049 | | | | | | O L | |
| | 2021/4/1 8:45 | ND(0.0013) ND(0.0014) | 0.0064 0.0048 | ND(0.28) | ND(1.9) | ND(15) | 0.00092 | | O L | |
| | 2021/4/8 8:10 | ND(0.0013) ND(0.0014) | 0.0041 0.0070 | | | | | | 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 | |

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|------|------------------|--------------------------|------------------|----------|---------|--------|-------------|--|--------|--|
| T-D9 | 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 | ND(0.27) | ND(1.8) | 16 | 0.0014 | | O L | |
| | 2021/3/9 8:36 | ND(0.0012) ND(0.0013) | 0.0040 0.0057 | | | | | | O L | |
| | 2021/3/15 10:15 | ND(0.0011) ND(0.0014) | 0.0049 0.0037 | ND(0.29) | | ND(15) | | | O L | |
| | 2021/3/23 7:57 | ND(0.0012) ND(0.0013) | 0.0095 0.0083 | | | | | | O L | |
| | 2021/4/1 7:59 | ND(0.0012) ND(0.0013) | 0.0069 0.0079 | ND(0.31) | ND(1.9) | ND(15) | ND(0.00072) | | O L | |
| | 採取中止(No samples) | | | | | | | | | |
| | 2021/4/12 8:02 | ND(0.0012) ND(0.0013) | 0.0062 0.0044 | ND(0.32) | | ND(14) | | | O L | |
| | 2021/4/21 8:05 | ND(0.0013) ND(0.0012) | 0.0035 0.0039 | | | | | | O L | |

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

Cs-134

Cs-137

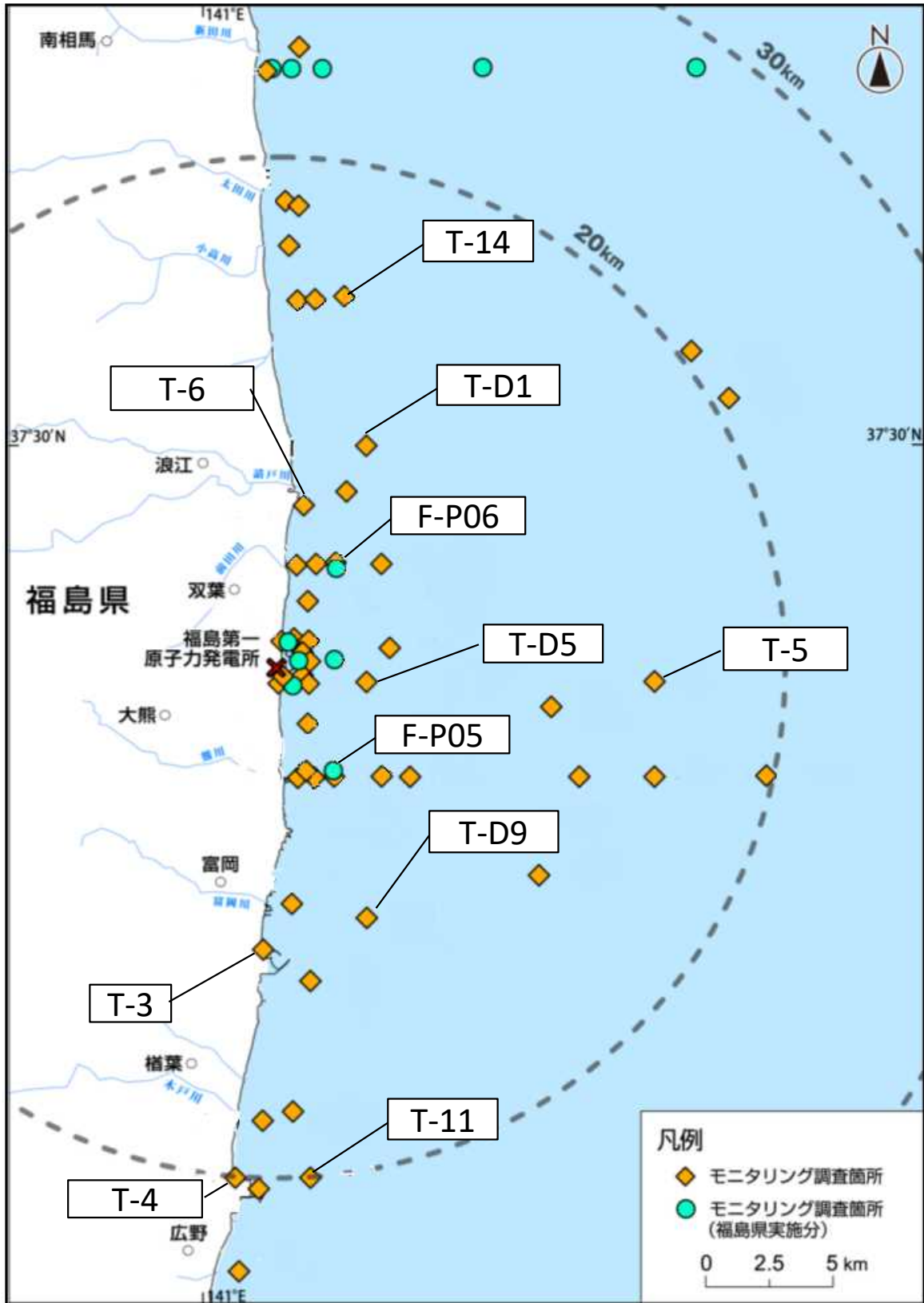
放射性物質濃度 (検出下限値) (Bq/L) (ND※2: 不検出)
Radioactivity concentration (Lower detection limit) (Bq/L) (ND※2: Not Detectable)

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|----------------|-------------------|---------------|--------|---|---|
| T-11 | 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 | |
| | 2021/3/9 9:06 | ND(0.0013) | 0.0068 | O | |
| | | ND(0.0014) | 0.012 | L | |
| | 2021/3/15 10:42 | ND(0.0014) | 0.019 | O | |
| | | ND(0.0013) | 0.0058 | L | |
| | 2021/3/23 8:24 | ND(0.0013) | 0.012 | O | |
| | | ND(0.0013) | 0.014 | L | |
| | 2021/4/1 7:14 | ND(0.00097) | 0.0094 | O | |
| | | ND(0.0012) | 0.011 | L | |
| | 採取中止(No samples) | | | | O |
| 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 | | |

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|----------------|-------------------|---------------|--------|---|---|
| T-14 | 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 | |
| | 2021/3/8 7:33 | ND(0.0014) | 0.0030 | O | |
| | | ND(0.0014) | 0.0038 | L | |
| | 2021/3/15 7:39 | ND(0.0013) | 0.0042 | O | |
| | | ND(0.0013) | 0.0035 | L | |
| | 2021/3/24 7:34 | ND(0.0014) | 0.0039 | O | |
| | | ND(0.0015) | 0.0039 | L | |
| | 2021/4/1 7:45 | ND(0.0013) | 0.0029 | O | |
| | | ND(0.0012) | 0.0092 | L | |
| | 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 | | |

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.