Definite Results of Nuclides Analysis at Fukushima Daiichi Nuclear Power Station (Announced on August 1 - 15, 2012)

- < Legend > —: y nuclides except for the major 3 nuclides (I-131, Cs-134, Cs-137) were not detected. ⇒ Please refer to the preliminary reports for the result of the major nuclides.
 - O: y nuclides other than the major 3 nuclides (I-131, Cs-134, Cs-137) were detected. ⇒ Please refer to the following pages.
 - ✓: Not applicable or cancelled due to the bad weather

Announcement Date of the Preliminary Report	August															
Sampling Point	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	$\overline{}$
Nuclides Analysis Result of the Radioactive Materials in the Air at Fukushima Nuclear Power Stations	_	1	_	_	_	_	1	_	_	_	_	1	1	_	_	$\overline{/}$
Nuclides Analysis Result of the Radioactive Materials in the Air at the Sea Side of Fukushima Nuclear Power Stations		1							_							$\overline{/}$
Nuclides Analysis Result of Radioactive Materials in the Seawater < Coast >	_	1	_	_	_	_	1	_	_	_	_	1	1	_		/
Nuclides Analysis Result of the Radioactive Materials in the Seawater of the Port	_	1	_	_	_	_	I	_	_	_	_	ı	1	_	_]	$\overline{\ /\ }$
Nuclides Analysis Result of the Sub-drain of Fukushima Daiichi NPS	_		_			_		_		_						$\overline{\ /\ }$
Nuclides Analysis Result of the Sub-drain Water in the Surroundings of the Central Radioactive Waste Treatment Facility	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	$\overline{/}$
Nuclides Analysis Results of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS		/					0					$\overline{}$	$\overline{}$	_		$\overline{/}$
Nuclides Analysis Result of the Radioactive Materials in the Air at the Upper Part of Unit 1 Reactor Building														_		$\overline{/}$
Nuclides Analysis Result of the Radioactive Materials in the Air at the Upper Part of Unit 2 Reactor Building												/	$\overline{\hspace{1em}}$	_		$\overline{/}$
Nuclides Analysis Result of the Radioactive Materials in the Air at the Upper Part of Unit 3 Reactor Building		$\overline{/}$										$\overline{/}$	$\overline{/}$	_		$\overline{/}$

[Definite Report] Nuclides Analysis Results of the Radioactive Materials in the Air at the Opening of Buildings at Fukushima Daiichi NPS <1/1>

Place of Sampling	Shared Facilit	kiliary Operation ty (Around the e Hatch)	Shared Facility (Sta	xiliary Operation In Front of South airs)	3rd Floor of Au Shared Facility (Sta	② Density Limit in the Air for Workers to Engage in Radiation Related		
Time of Sampling		2013 8:26 AM 2013 8:13 AM		2013 8:28 AM 2013 8:15 AM	From July 17, To July 18, 2			
Detected Nuclides (Half-life)	①Density of Sample (Bq/cm³)	Scaling Factor (1)/2)	①Density of Sample (Bq/cm³)	Scaling Factor (1)/2)	①Density of Sample (Bq/cm³)	Scaling Factor (1)/2)	Tasks (Bq/cm ³)*	
I-131 (Approx. 8 days)	ND	-	ND	-	ND	-	1E-03	
Cs-134 (Approx. 2 years)	ND	-	ND	-	ND	-	2E-03	
Cs-137 (Approx. 30 years)	ND	-	ND	-	ND	-	3E-03	
Mn-54 (Approx. 310 days)	ND	-	ND	-	ND	-	2E-02	
Co-60 (Approx. 5 years)	ND	-	ND	-	4.2E-08	0.00	1E-03	
Nb-95 (Approx. 35 days)	ND	-	ND	-	ND	-	2E-02	
Tc-99m (Approx. 6 hrs)	ND	-	ND	-	ND	-	7E-01	
Ru-106 (Approx. 370 days)	ND	-	ND	-	ND	-	6E-04	
Ag-110m (Approx. 250 days)	ND	-	ND	-	ND	-	3E-03	
Sb-125 (Approx. 3 yrs)	ND	-	ND	-	ND	-	6E-03	
Te-129 (Approx. 70 mins)	ND	-	ND	-	ND	-	4E-01	
Te-129m (Approx. 34 days)	ND	-	ND	-	ND	-	4E-03	
I-132 (Approx. 2 hrs)	ND	-	ND	-	ND	-	7E-02	
Te-132 (Approx. 78 hrs)	ND	-	ND	-	ND	-	4E-03	
I-133 (Approx. 21 hrs)	ND	-	ND	-	ND	-	5E-03	
Cs-136 (Approx. 13 days)	ND	-	ND	-	ND	-	1E-02	
Ba-140 (Approx. 13 days)	ND	-	ND	-	ND	-	1E-02	
La-140 (Approx. 40 hrs)	ND	-	ND	-	ND	-	1E-02	

^{*} The radioactivity density is the sum of the volatile nuclides density and the particulate nuclides density.

The detection limits of the major three nuclides not detected are as follows:

Volatile: I-131: Approx. 5E-8Bq/cm³, Cs-134: Approx. 8E-8Bq/cm³, Cs-137: Approx. 1E-7Bq/cm³

Particulate: I-131: Approx. 3E-8Bq/cm³, Cs-134: 4E-8Bq/cm³, Cs-137: Approx. 6E-8Bq/cm³

As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.

 $^{^{*}}$ O.OE-O is the same as O.O x 10 $^{-}$ O

^{*} In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

^{* &}quot;ND" indicates that the measurement result is below the detection limit.