

**Sampling Results (All α) of Condensed Water
at Unit 1-3 PCV Gas Control System
(the Entrance of HEPA Filter) in Fukushima
Daichi Nuclear Power Station**

August 12, 2013

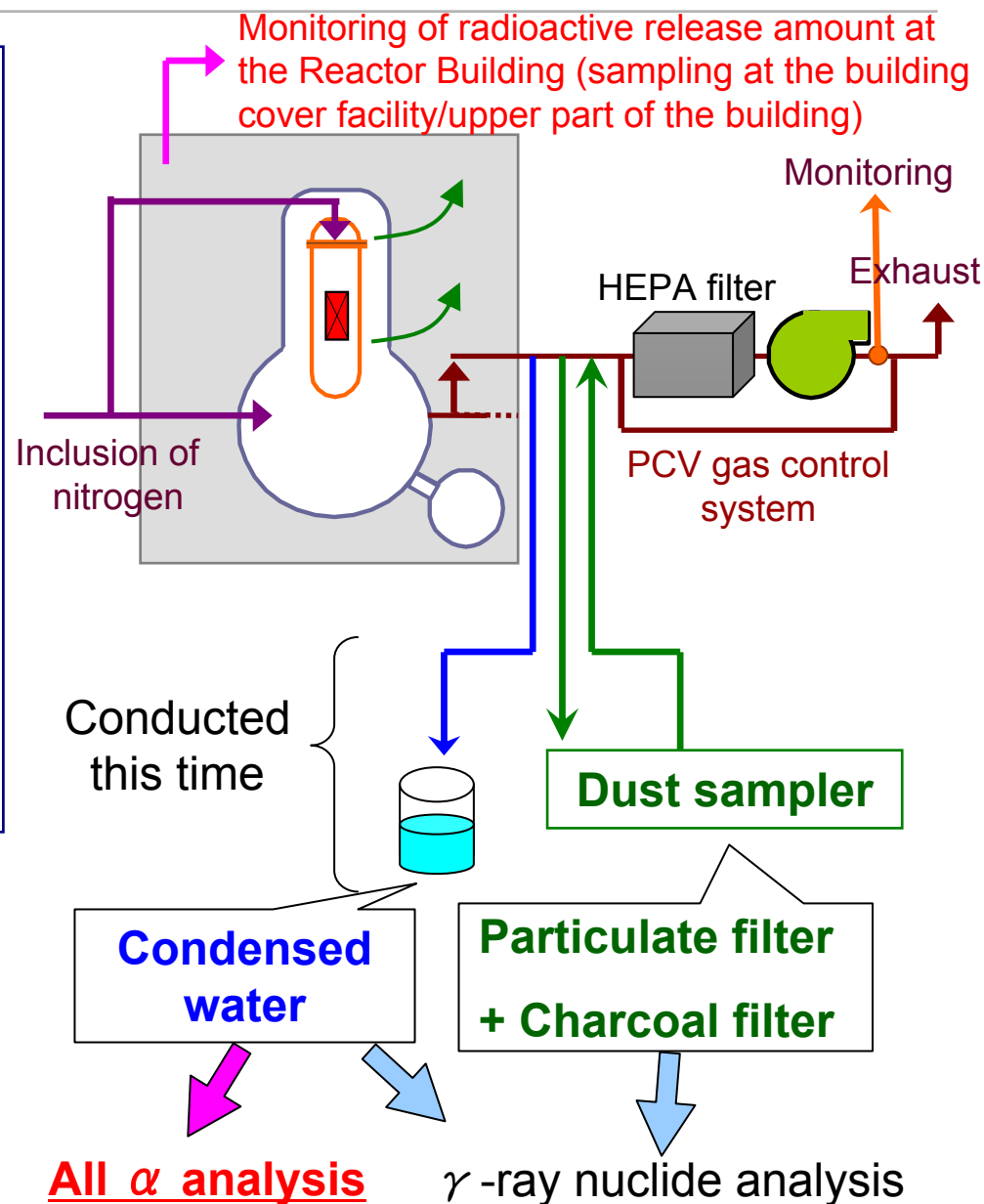
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Overview

- Sampling of dust and drain of air bleed gas obtained at Unit 1-3 PCV gas control system (the entrance of HEPA filter) was performed in April and May in order to understand the current radioactive density of PCV gas.
- We have performed γ -ray nuclide analysis so far (previously announced on June 7), and all α radioactivity density in condensed water was additionally performed this time.



Analysis Result of All α Radioactivity Density at Unit 1-3

- Results at Unit 1 and 2 were below the detection limit value (ND). However, significant density of α nuclide was found at Unit 3.

Unit 1 Sampling date	All α radioactivity density	Unit 2 Sampling date	All α radioactivity density
May 10, 2013	ND ($<1.0E-2$)	April 22, 2013	ND ($<1.0E-2$)
May 13, 2013	ND ($<1.0E-2$)	April 23, 2013	ND ($<1.0E-2$)

Unit 3 Sampling date	All α radioactivity density			
	1 st time	2 nd time	3 rd time	4 th time
May 14, 2013	1.6E-01	5.9E-02	9.9E-02	1.9E-01
May 15, 2013	5.0E-02	ND ($<1.0E-2$)	3.9E-02	3.9E-02

- The date provided is the sampling date.
- Unit: Bq/cm³
- The detection limit value is provided in the parentheses.
- Analysis was performed several times in Unit 3 in order to confirm the reproducibility.