

Detection of Sr in the soil in Fukushima Daiichi Nuclear Power Station

## 1.Result of Analysis

(Unit: Bq/kg·Dry soil )

Place of sampling Distance from 1, Unit 2 stack	Date of sampling Organization	Sr-89	Sr-90
Ground (West-northwest approx. 500m)	11/14 Japan Chemical Analysis Center	$( 7.0 \pm 0.42 ) \times 10^1$	$( 1.7 \pm 0.03 ) \times 10^2$
Wild birds' forest (West approx. 500m)		$( 6.9 \pm 1.3 ) \times 10^0$	$( 1.6 \pm 0.10 ) \times 10^1$
Near the industrial waste disposal facility (South-southwest approx. 500m)		$( 1.6 \pm 0.06 ) \times 10^2$	$( 3.1 \pm 0.04 ) \times 10^2$
Range of the past observed data		-	ND ~ 4.3

Based on 2009 Result of Radioactivity Measurement in Environments Surrounding Nuclear Power Plant (1999 to 2008)

“ Ground”, “Near the industrial waste disposal facility”: Collected at adjoining sites in order to avoid overlap with the past samplings.

“ Wild birds' forest”: Collected vertically at each site (collection continued at one site unless no more sample was able to be collected)

## 2.Evaluation

The density of Sr-90 detected on November 14 is higher than the density measured in the fallouts observed in Japan after the past atmospheric nuclear tests. Therefore, it would be appear that it is derived from the plant accident.

End