Gamma nuclide analysis in soil of Fukushima Daiichi Nuclear Power Station

1. Result The result ofnulide analysys of gamma radioactiveity in soil is as follow. We analyze all the materials that we analyzed Pu

2. Evaluation **The result of nuclid analysys of gamma radioactiveity in soil measured at Fukushima pref. in 2009 is as follow. Comparing the result in 2009, high desity of nuclides are detected**

＜Result at Fukushima in 2009＞
Cs-137：ND～21Bq/kg・oven-dry soil， other：ND

(Unit：Bq/kg・oven-dry soil)

Place of Sampling		[Fixed point①] *1 Ground (West-North-West around 500m) *2	[Fixed point②] *1 Yatyounomori (West around 500m) *2	[Fixed point③] *1 Near industrial waste process place (South South West around 500m) *2
Date of sampling		January 16	January 16	January 16
Organization		**JCAC***3	**JCAC***3	**JCAC***3
Date of measurement		January 17	January 17	January 17
nuclides	I-131(approx.8days)	ND	ND	ND
	I-132(approx.2hours)	ND	ND	ND
	Cs-134(approx.2Years)	1.8E+05	3.2E+02	5.8E+05
	Cs-136(approx.13days)	ND	ND	ND
	Cs-137(approx.30Years)	2.2E+05	3.5E+02	7.3E+05
	Sb-125(approx.3Years)	ND	ND	ND
	Te-129m(approx.34days)	ND	ND	ND
	Te-132(approx.78hrs)	ND	ND	ND
	Ba-140(approx.13days)	ND	ND	ND
	Nb-95(approx.35days)	ND	ND	ND
	Ru-106(approx.370days)	ND	ND	ND
	Mo-99(approx. 66hrs)	ND	ND	ND
	Tc-99m(approx.6hours)	ND	ND	ND
	La-140(approx. 40hrs)	ND	ND	ND
	Be-7(approx.53days)	ND	ND	ND
	Ag-110m(approx.250days)	ND	ND	ND

*1 We sampled near the 「①Ground」「③Near industrial waste process place」 in order not to duplicate the sampling materials. We sampledin depth direction at 「② Yatyounomori」 and changed thepoints when we continu to sample the soil in the same hole.

*2 Distance of Unit 1,2staffs

*3 Result of analysis done by JCAC does not apply the half time calibration.