February 22, 2015

Tokyo Electric Power Company

# The Temporal Rise of Radioactive Data in the Drainage at the Fukushima Daiichi Nuclear Power Station

On February 22, regarding the temporal rise of radioactive data in the drainage at the Fukushima Daiichi Nuclear Power Station, TEPCO has analyzed the radioactive data inside the port as well as in the drainage as follows. Latest radioactive data has shown no significant changes inside the port as well as in the upstream of the drainage. TEPCO will continuously investigate the cause.

＜Around the side gutter drainage radiation monitor at 6:20 pm＞

Gross β radiation: 190Bq/L (Gross β radiation: approximately 390Bq/L at 1:50 pm)

Cesium134: below the detection limit（2.8Bq/L）

Cesium137: below the detection limit（3.5Bq/L）

<Reference>

Instrument reading of side gutter drainage radiation monitor (temporary increased/ maximum value in the past)

Line A: 5.63 ×10^3Bq/L (Gross β)

Line B: 7.23 ×10^3Bq/L (Gross β)

<Reference>

"high high" alarm setting: 3.0 ×10^3Bq/L (Gross β)

"high" alarm setting: 1.5×10^3Bq/L (Gross β)

*Please visit the attached URL for Location of drainage gate and side gutter drainage radiation monitor.

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/2015/images/handouts_150222_01-e.pdf

No significant changes in the upstream of the drainage have been confirmed. The details are as follows.

＜Around B drainage by point (B-0-1) at 1:15 pm＞

Gross β radiation: below the detection limit（16Bq/L）

Cesium134: below the detection limit（16Bq/L）

Cesium137: below the detection limit（26Bq/L）

＜Around C drainage by point (C-0) at 1:05 pm＞
Gross $\beta$ radiation: below the detection limit（16Bq/L）
Cesium134: below the detection limit（17Bq/L）
Cesium137: below the detection limit（26Bq/L）

The result of analysis of water inside the port has shown the radioactive data are within the normal range. The details are as follows.

＜North of intake point of Unit 1 to 4 (outside the silt fence at 4:15 pm＞
Gross $\beta$ radiation: 24Bq/L
Cesium134: below the detection limit（3.3Bq/L）
Cesium137: below the detection limit（3.9Bq/L）

＜Between Intake point of Unit 2 at 4:00 pm＞
Gross $\beta$ radiation: 22Bq/L
Cesium134: below the detection limit（1.8Bq/L）
Cesium137: below the detection limit（2.8Bq/L）

＜In front of Intake point of Unit 6 at 3:25 pm＞
Gross $\beta$ radiation: 17Bq/L
Cesium134: below the detection limit（2.1Bq/L）
Cesium137: below the detection limit（2.1Bq/L）

＜In front of landing space at 3:40 pm＞
Gross $\beta$ radiation: 22Bq/L
Cesium134: below the detection limit（2.3Bq/L）
Cesium137: 3.3Bq/L

＜Entrance of the port at 4:03 pm＞
Gross $\beta$ : below the detection limit (15Bq/L)
Cesium134: below the detection limit（1.2Bq/L)
Cesium137: below the detection limit（1.1Bq/L)

＜East side of the port at 4:10 pm＞
Gross $\beta$ : below the detection limit（15Bq/L)
Cesium134: below the detection limit（1.3Bq/L）
Cesium137: below the detection limit（1.2Bq/L）

＜West side of the port at 4:13 pm＞

Gross $\beta$ : below the detection limit （15Bq/L）

Cesium134: below the detection limit(1.5Bq/L）

Cesium137: 1.9Bq/L

＜North side of the port at 4:17 pm＞

Gross $\beta$ : 19Bq/L

Cesium134: below the detection limit(1.2Bq/L）

Cesium137: 1.9Bq/L

＜South side of the port at 4:6 pm＞

Gross $\beta$ : below the detection limit （15Bq/L）

Cesium134: below the detection limit （1.1Bq/L）

Cesium137: below the detection limit （1.3Bq/L）