

# Readings of Environmental Radioactivity Level (Unit: $\mu\text{Sv/h}$ )

Update 2013/03/25  
2013/03/07 monitor

200km

1500km

600km

400km

200km

① Sapporo

0.022

Usual Value Band  
0.02~0.105

NAVTEX NO.13-0814 Date:2012/03/24 15 UTC

HONSHU, E COAST. FUKUSHIMA PREF COAST.  
RESTRICTED AREA DESIGNATED. AREA BETWEEN 37-  
25-36.8N 141-05-20.0E AND SHORE.  
BASED ON ACT ON SPECIAL MEASURES CONCERNING  
NUCLEAR EMERGENCY PREPAREDNESS AT 241500Z  
MAR. (CANCEL 2222/12.)

Fukushima  
Dai-ichi NPP

② Sendai

0.051

Usual Value Band  
0.0176~0.0513

③ Tokyo

0.047

Usual Value Band  
0.028~0.079

④ Nagoya

0.043

Usual Value Band  
0.035~0.074

⑤ Kobe

0.038

Usual Value Band  
0.035~0.076

⑥ Fukuoka

0.036

Usual Value Band  
0.034~0.079

⑦ Okinawa

0.021

Usual Value Band  
0.0133~0.0575

The indicated radioactivity level is the maximum hourly value in a day.

<http://www.mlit.go.jp/common/000141348.pdf>

These reading radioactivity levels in Japan do not include cosmic radiation.

The readings of radioactivity level in Europe show below. These readings include cosmic radiation. The cosmic radiation level increases with altitude.

⑧ Rotterdam 0.0645

⑨ Antwerp 0.0864

⑩ Hamburg 0.0634

“Some prefectures showed a higher value compared with the average values obtained before the accident; however.” (Nuclear Safety Commission Press Release(2012/9/12))

According to “Sources and Effects of Ionizing Radiation, UNSCEAR 2008”, annual global average external exposure(external terrestrial) is estimated as 480 micro-sieverts and cosmic radiation as 390 micro-sieverts in the total annual exposure of 3,000 micro-sieverts.

The maximum level of ambient radiation at Tokyo as of 7 March was 0.047 micro-sieverts, which is equivalent to an annual dose of 412 micro-sieverts. The radiation levels at Tokyo is almost as same as the annual global average external exposure.