

of the Monsoon on Radioactivity Concentrations of Pb-212F and Be-7 in Particulate Matter at THP65

Tuesday, 20 June 2023 09:39 (1 minute)

IDC data of radioactivity concentration of natural radionuclides in particulate matter collected at THP65 station have been studied their behaviors over a year. A significant difference of radioactivity concentrations of Pb-212F and Be-7 between wet and dry seasons has been found. North-east and south-west monsoons occurring on dry and wet seasons have been discussed their impacts on level of radionuclides. It is concluded that the air mass, including associated particular matter, originating over the Asian landmass is directed into Thailand by the north-east monsoon in the dry season and moist air from the Gulf brought into Thailand in the wet season are the reasons why radioactivity concentrations of Pb-212F and Be-7 in particular matter at the THP65 are higher and lower during the dry and wet seasons.

E-mail

thawatchai.i@oap.go.th

Promotional text

-

Oral preference format

in-person

Primary author: ITTHIPOONTHANAKORN, Thawatchai (Office of Atoms for Peace)

Presenter: ITTHIPOONTHANAKORN, Thawatchai (Office of Atoms for Peace)

Session Classification: Lightning talks: P1.3, P1.4, P5.2

Track Classification: Theme 5. CTBT in a Global Context: T5.2 Synergies with Global Challenges