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7 July 2022

Dear Dr Chen

Subject: Additional Letter to UNSCEAR Chairperson

I have sent a letter to you dated 30 June 2022 with respect to my questions on Attachment A-9, Annex B of UNSCEAR2020/2021 Report, and I assume that you and UNSCEAR are now preparing your letter of reply to me.

In the letter sent to you on 30 June 2022, I asked you whether the sentences in Attachment A-9 shown below is correct or not.

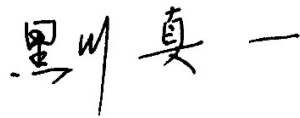
“Specifically, concentrations of different radionuclides in the air in the early stage of the FDNPS accident have been estimated at several monitoring posts in Fukushima Prefecture from pulse height distributions measured with sodium iodide scintillation detectors [Hirayama et al., 2015; Moriizumi et al., 2019; Terasaka et al., 2016].”

After sending above-mentioned letter to you, I re-read the Annex B and have found that the same sentences are shown in Annex B twice, one in Paragraph 18 and the other in A29. I also found that Table A5 is the same as Table A-9.1 of Attachment A-9. For checking, I read the Moriizumi and Terasaka papers and as a result I become confident that the quote shown above is incorrect, which is also corroborated by the title of Moriizumi paper, “Spatial distributions of atmospheric concentrations of radionuclides on 15 March 2011 discharged by the Fukushima Dai-ichi Nuclear Power Plant accident estimated from NaI(Tl) pulse height distributions measured in **Ibaraki Prefecture**”.

I am very much surprized and shocked by having found these facts with respect to Annex B, especially in its main part: Paragraph 18 is the third paragraph of “B. Overview of current understanding, 1. Measurement data”. I understand that it is the fundamental policy of UNSCEAR to check many published papers carefully and select only reasonable papers on which UNSCEAR can really rely. I would appreciate it if you could explain why this kind of serious mistakes have not been noticed by your experts until now since the issue of the Report in March 2021.

For reasons of transparency and good faith in scientific and academic exchanges of view, I have posted this letter as an Open Letter to UNSCEAR on the public domain website, UNSCEAR2020/21 report-verification-networks (<https://www.unscear2020report-verification.net>); I will of course post your reply to the same website, as many people sincerely wish to know your response.

Sincerely yours,

Handwritten signature in Japanese characters: 黒川 真一 (Kurokawa Shin-ichi).

Shin-ichi Kurokawa

Professor Emeritus

High Energy Accelerator Research Organization, KEK, Tsukuba, Japan