



DEPARTMENT OF THE ARMY  
HEADQUARTERS, U.S. ARMY ELECTRONICS RESEARCH  
AND DEVELOPMENT COMMAND  
2800 POWDER MILL RD., ADELPHI, MD 20783

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REPLY TO  
ATTENTION OF

DRDEL-SS

20 April 1982

U.S. Nuclear Regulatory Commission  
Material Licensing Branch  
Division of Fuel Cycle and Material Safety  
ATTN: Mr. Paul R. Quinn  
Washington, D.C. 20555

rec. 4/26/82

Gentlemen:

In response to the questions in your letter of 22 February 1982, with mail control number 08476, the following information is provided as originally numbered in that letter:

1. Item 8.D should read "6,000 no single radionuclide over 1,000."
2. As specified in our letter dated 31 October 1981, Mr. Steven Horne is our interim RPO. As per recommendations made by the Army Environmental Hygiene Agency Inspection team the ERADCOM Scientific Advisor has been designated as chairman of the Ionizing Radiation Control Committee (IRCC) for ERADCOM at Fort Monmouth. Dr. Walter S. McAfee is the present Scientific Advisor and now chairman of the IRCC.
3. Each person who is designated as a user is approved by the IRCC. Each individual's qualifications pertaining to formal courses, length of experience with radioisotopes, and On-the-Job Training are reviewed in relation to the radioactive user responsibilities they will be performing prior to approval. For those who work in radiation areas, this Command has prepared and distributed an information booklet on radiation hazards, emergency procedures and wearing of film badges. Our Command regulation requires training sessions, including requirements of 10 CFR Part 19, to be conducted annually. These sessions consist of lectures and a written test. The ERADCOM annual training requirement has been missed. The training program has been restructured and a new series of training will start in May 1982.

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DRDEL-SS  
Nuclear Regulatory Commission

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4. We will make reasonable efforts to maintain personnel exposures within 10 percent of the limits specified in 10 CFR part 20. Whenever an individual exposure exceeds the 10 percent guideline, we will review each occurrence to determine the corrective actions to be taken to assure that all future exposures stay within the 10 percent guidelines.

Please contact Dr. Choppala or Mr. Kaese at HQ, ERADCOM Safety Office, 394-3446 for any additional information/clarification.

Sincerely,



CLIFTON R. GOODWIN  
COL, GS  
Deputy Commander

Incl

Copies Furnished:  
HQ, DARCOM, DRCSEF-P  
Dr. McAfee, DRDEL-S  
CECOM RPO, DRSEL-SF

RESUME OF TRAINING AND EXPERIENCE  
OF DR. WALTER S. McAFEE

1. Educational Background:

BS	Mathematics	Wiley College, 1934
MS	Physics	Ohio State University, 1937
PhD	Physics	Cornell University, 1949
Radio Astronomy		Harvard University, 1957-58

2. Radiation Training and Experience:

a. Dosimetry in X-ray lab, including measurement of the roentgen by use of a free-air chamber. Also Nuclear Physics Laboratory Training in safe handling of radioactive materials, evaluation of dose and dose rate, etc.

b. Worked in the nucleonics program of the US Army Electronics Command from August 1948 to October 1953. Also planned initial radiation and calibration facilities used at Fort Monmouth.

c. Worked from 1958 to 1965 on effects of high altitude nuclear explosions.

d. From June 1965 till 1968/69, was Technical Area Chief, passive sensing technical area. One of the teams in that technical area was the radiological techniques team, which had the principle responsibility of developing technology for radiac equipment.

e. From 1971 to Present, has served as a Command Scientific Advisor and as the Commanding General's Representative to the ERADCOM Ionizing Radiation Control Committee.