

EDO Principal Correspondence Control

FROM: Argonne National Laboratory  
S. Y. Chen  
Chair, ANSI/HPS N13.60 Working Group

DUE: 07/23/01

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DOC DT: 06/29/01  
FINAL REPLY:

TO:

Carl Paperiello

FOR SIGNATURE OF :

\*\* GRN \*\*

CRC NO:

Paperiello

DESC:

Invitation for NRC to participate in ANSI/HPS  
Working Group N13.60, "Standards for Late-Phase  
Protection Actions in Post-Nuclear Accidents"

ROUTING:

Travers  
Paperiello  
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Burns/Cyr  
Collins, NRR  
Virgilio, NMSS  
Craig

DATE: 07/05/01

ASSIGNED TO:

CONTACT:

RES

Thadani

SPECIAL INSTRUCTIONS OR REMARKS:

*Template EDO-001*

*E-Reds EDO-01*

# ARGONNE NATIONAL LABORATORY

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June 29, 2001

Dr. Carl Paperiello  
U.S. Nuclear Regulatory Commission  
Mail Stop 16E15  
Washington, D.C. 20555

SUBJECT: Invitation to Participate in the ANSI/HPS Working Group N13.60, "Standards for Late-Phase Protection Actions in Post-Nuclear Accidents"

  
Dear Dr. Paperiello:

It was a pleasure seeing you at the Health Physics Society Meeting a few weeks ago. I enjoyed your talk and the discussions.

Per our discussion, I would like to take this opportunity to invite NRC to participate in the N13.60 Working Group on the development of late-phase protection guidance for nuclear accidents. I am currently chairing this group and would like to have an NRC representative on the committee to help with the deliberation and preparation of the report. About two years ago I extended a similar invitation to NRC but received no response.

As you may be aware, although the U.S. EPA has developed protection guidance for early and intermediate phases following a nuclear accident, no guidance has been developed for the late (recovery) phase. The standard to be developed is intended to provide radiation protection criteria for application to all nuclear accidents requiring protection in late phase activities returning the affected land or food media to public use (e.g., areas affected by the Chernobyl accident). The standard, when developed, will be published as an ANSI/HPS standard upon successful completion of a concurrence review. For your information, I am attaching the ANSI Project Initiation Notification System Input Form describing the project.

This letter is an invitation for NRC to participate in the N13.60 Working Group as a writing member. If interested, please advise the NRC's nominee to forward a copy of his or her resume to me. I will then forward a recommendation to the Health Physics Standards Steering Committee for approval. Currently, several other federal agencies are represented in this collaborative endeavor. As the Working Group is currently in the middle of preparing the report, it is advisable to acquire NRC's input as soon as possible.

I look forward to hearing from you and collaborating with NRC on this exciting work.

Sincerely,

  
S.Y. Chen  
ANSI/HPS N13.60 Working Group Chair

SYC:bj

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1. Purpose:

The main objective of emergency planning is to simplify the choice of possible responses so that correct judgments can be rendered when little or no detailed information is available in case of a nuclear incident. Such judgments must be made throughout all phases (early, intermediate, and late) of the post-nuclear incident period on the basis of criteria intended to optimize the protection of individuals. While existing protective action guidance on early and intermediate phases has been made available by the regulator (USEPA), no consensus or guidance has yet been reached or made available by responsible authorities on the late (recovery) phase. This document is intended to provide radiation protection criteria for application to all nuclear incidents requiring protective actions in the late phase where the affected area is to be returned to the public use. It is intended for use in emergency planning and by parties responsible for making decisions regarding the suitability for the release of property (e.g., land), natural resources (e.g., drinking water), and dairy or agricultural products (e.g., foods) in the event of a nuclear incident.

2. Documentation of Need:

The decision to advise members of the public to take protective actions in the event of a nuclear incident is a major responsibility of emergency response authorities. The decision involves a complex judgment issue for which thorough planning is required to avert potential risks throughout all phases following the incident. Such need is reenforced by lessons learned from the Chernobyl nuclear accident that occurred in 1986 at a nuclear power plant of the former Soviet Union. To this date, policies for returning contaminated areas to the affected population remain quite obscure in many affected Eastern European nations. The absence of a clear policy has caused significant socioeconomic impacts to the affected regions. Such uncertainties and impacts will remain until a well-deliberated policy is conceived and implemented through workable protective actions. This document will provide a sound basis and recommended dose/risk criteria for the late phase protective actions. Deliberations will focus on the acceptable risk levels for the affected individuals. The protective principles of the International Commission on Radiological Protection (ICRP) and the National Council on Radiation Protection and Measurements (NCRP) will be closely adhered to. In addition, the recommended protective actions will suggest acceptable contamination levels for various environmental media of concern.

3. Likely Users:

Environmental Protection Agency, Nuclear Regulatory Commission, Department of Energy, Department of Defense, Department of Agriculture, Federal Emergency Management Agency, State and Local Regulators

4. Consensus Body:

Accredited Committee N13, American Nuclear Society

5. Interests Represented on Working Group:

Utilities, Federal and State Regulators, National Laboratories, General Public, Nuclear Industries, Environmental Groups, Universities

6. Coordination and Interface (Liaison):

Health Physics Society, American Nuclear Society, Nuclear Energy Institute, Conference of Radiation Control Program Directors (CRCPD), and Others

7. Related Standards/Project Numbers and/or References:

N13.12, Surface and Volume Radioactivity Guides for Materials, Equipment, and Facilities for Unrestricted Release

N13.31, Guides for Assessing Radiation Doses from Plutonium and Americium in Soil EPA 400-R-92-001, Manual of Protective Action Guides and Protective Actions for Nuclear Incidents

Other related federal guides

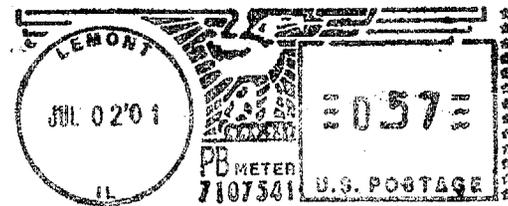
8. Key Dates: Project Initiation Date September 1998

(Date Project Approved by Developer)

Developer's Target Date for ANSI Public Review September 2000

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CLASS



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