



Radiobiology Division

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May 22, 1998

Mr. Barrett Fountos
U.S. Department of Energy
EH-63/270 CC
19901 Germantown Road
Germantown, MD 20874-1290

Dear Barry:

According to my e-mail (copy enclosed) to you on May 7, 1998, I am forwarding copies of the unscheduled milestones accomplished related to the JCCCNRS studies.

Regarding item no. 1 I have enclosed the latest draft that I have. A somewhat revised version has been accepted by *Radiation Research*. I am sure that you have already received a copy of the accepted draft from your grantees at the National Cancer Institute. If not, you can receive a copy from Dr. Beebe.

A somewhat modified version of item 2 was distributed at the end of the NATO Workshop. Our draft material appears to have been the model upon which the remainder of the contributions were based.

Item no. 3 is probably new to you. I completed it only recently.

Item 4a is an abstract that was submitted several months ago.

Item 4b is the paper for presentation at the July thyroid meeting that is being derived from the abstract. More work is being done on this draft in order to complete a quality paper.

Sincerely yours,

Lynn R. Anspaugh, Ph.D.

<HTML><PRE>Subj: Re: Chernobyl Milestones/Deliverables
Date: 05/07/98
To: Barrett_Fountos@EH-DCNOTES02.eh.doe.gov

CC: Frank_Hawkins@EH-DCNOTES02.eh.doe.gov, Elizabeth_White@EH-DCNOTES02.eh.doe.gov

Barry,

As indicated earlier, I will prepare a formal Progress Report and give it to Frank and Libby during their visit. In the meantime, here is a brief status report according to the Milestones, etc., from the June Report:

1. This has been completed. A draft was delivered to EH-63 many months ago. A revised and completed version will be in the Progress Report.
2. Extensive rework on this paper has been accomplished by American and Russian colleagues. After additional work by me the paper will be resubmitted to Health Physics by June 30.
3. This paper will never be completed. The problem is that the lead author unexpectedly and suddenly left Ukraine for Canada. This incensed Likhtarev. I tried for many months to achieve a resolution so that needed changes in the paper could be made, but Likhtarev refuses to continue with this paper. There are scientific and technical problems with the old paper, but the political problems cannot be overcome by me. I believe it quite likely that this paper will be reworked and published with Germans, who have continued to fund dosimetry work in Ukraine.
4. I prepared a statement of work for this activity, which concerns the reanalysis of spectra of early filter samples from Chernobyl and the subsequent delivery of filters for the analysis of I-129. (The goal is a definitive answer of the ratio of I-131-to-I-129 emitted by the Chernobyl accident.) However, the Russians at Arzamas-16, who own the filters, did not pursue it for unknown reasons. Thus, this work has not been funded by the non-proliferation community. It is not likely that it ever will be.
5. This paper has not been worked on; its completion was dependent upon the completion of Milestone 6. Now that Milestone 6 has been completed, it may be possible to complete this Milestone. However, it is very difficult for me to get the attention of the Ukrainian dosimetrists after the unexpected decision announced by Fountos in August in Ukraine that EH-63 would not fund the Ukrainian-American Dosimetry Research Project.
6. This Milestone was completed with the submission of the paper to Health Physics in January 1998.
7. As noted in the June Report, it was not possible to even begin work on this Milestone with the lack of EH-63 funding to support Dr. Kercher.

UNSCHEDULED DELIVERABLES

In addition to the work specifically mentioned above, other related activities have been carried out in support of EH-63 funded activities.

1. The case-control study on thyroid cancer in Belarus was revised and submitted to Radiation Research. After review it was resubmitted and has been accepted for publication. I am one of the co-authors of this study.
2. I attended the Advanced Research Workshop, "Ocular Radiation Risk Assessment in Populations Exposed to Environmental Radiation Contamination," in Kiev in August 1997. I was the main author of the "Report on the Dosimetry Discussion Group."
3. For the Proceedings of the above Workshop, I have prepared and submitted the paper, "Overview on Existing Approaches to Dose Reconstruction. Recommendations for the Ukrainian-American Chernobyl Ocular Study (UACOS)."
4. I am a co-author of an abstract and draft paper: A.B. Brill, M. Stabin, A. Bouville, L. Anspaugh, and K. Eckerman, "Short-lived radioactive iodine vs.

I-131. Can the relative risk be defined for the Chernobyl Accident?" that will be presented at the July Thyroid Conference. </PRE></HTML>