

**ARRANGEMENT FOR COLLABORATION
AMONG
THE UNITED STATES NUCLEAR REGULATORY COMMISSION
AND
BATTELLE MEMORIAL INSTITUTE
AND
THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER**

The United States Nuclear Regulatory Commission (NRC), Battelle Memorial Institute (Battelle) and the International Agency for Research on Cancer (IARC), hereafter the "Parties":

Noting that IARC is conducting a Collaborative Study, involving more than 600,000 nuclear workers in seventeen countries to estimate directly the cancer risk associated with low dose, protracted exposure to ionizing radiation;

Noting that the IARC Collaborative Study has a documented protocol that requires each worker's radiation dose to be as complete as possible over the worker's entire career;

Noting that the U.S. Commercial Nuclear Power Plant worker cohorts are included in the Collaborative Study along with DOE and Portsmouth Naval Shipyard workers; and

Noting that Battelle, which has the approval of the U.S. National Death Index and its Institutional Review Board to participate in the Collaborative Study, is the organization responsible for preparing the vital status and dosimetry analysis files for U.S. commercial nuclear power workers to be used in the IARC Collaborative Study,

Have agreed as follows:

I. Purpose

- A. The purpose of this Arrangement is to provide a framework for NRC to contribute data from NRC's Radiation Exposure Information and Reporting System (REIRS), to provide as complete information as possible on the total career dose for each U.S. commercial nuclear power plant worker included in the IARC Collaborative Study.
- B. The Parties expect that a successful IARC Study will provide a direct evaluation of health risk at the low dose and low dose rate end of occupational exposure, which will be valuable in addressing the current scientific debate over the linear, non-threshold risk usually assumed for ionizing radiation.

II. Implementing Provisions

- A. Pursuant to the Privacy Act, 5 U.S.C. 552a(b)(3) and under General Routine Use Number 6 for NRC-27, Radiation Exposure Information and Reporting System (REIRS) Files which permits disclosure to consultants for a purpose within the scope of the NRC REIRS contract (One of the REIRS contract objectives is to provide data for health effects research and the IARC study is within the scope of the REIRS contract.), NRC shall provide IARC and Battelle with dosimetry information, as recorded in REIRS, for each power plant worker identified as being included in the IARC Collaborative Study.
- B. IARC and Battelle shall use this information only for the above described research purposes.
- C. IARC and Battelle shall maintain the confidentiality of the subject information and make no public disclosure of it to third parties without the prior written consent of the NRC. If, during the examination of NRC-provided data, errors or omissions are found and corrected, these corrected data will be provided back to NRC REIRS.
- D. IARC'S and Battelle's obligation to maintain the confidentiality of the NRC-provided information shall remain in effect throughout the term of this Arrangement and after its termination, unless it is known that a worker is deceased or the NRC determines otherwise.

III. Contacts

The principal contact for NRC is Ms. Rosemary T. Hogan, Office of Research. The principal contact for Battelle is Mr. Jack J. Fix, Battelle, Pacific Northwest Division. The principal contact for IARC is Dr. Elisabeth Cardis, Chief, Unit of Radiation and Cancer.

IV. Management

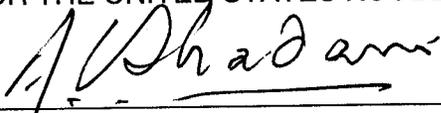
The Parties will consult each other whenever they deem it necessary, and will assess the results of the work carried out and in progress.

V. General Provisions

- A. This Arrangement will become effective upon signature by all Parties, and shall remain in effect for one year. The Parties may extend this Arrangement for additional periods.
- B. The terms of this Arrangement may be altered in writing by the Parties. If any Party wishes to cease its activities under this Arrangement, it will give ninety (90) days advance written notice to the other Parties.
- C. Cooperation under this Arrangement will be in accordance with the applicable laws and regulations under which each Party operates.

- D. Unless otherwise agreed in writing, each Party shall assume responsibility for, and provide funding to cover, the costs individually incurred in participating in the collaboration contemplated by this Arrangement. The collaborative activities are subject to the availability of funds and personnel.

FOR THE UNITED STATES NUCLEAR REGULATORY COMMISSION



Ashok C. Thadani, Director
Office of Nuclear Regulatory Research
Washington, D.C.

Date: 7/17/2000

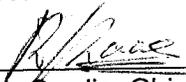
FOR BATTELLE MEMORIAL INSTITUTE



Lura J. Powell, Director
Pacific Northwest Division
Richland, WA

Date: 7/5/2000

FOR THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER



Dr. Elisabeth Cardis, Chief
Unit of Radiation and Cancer
Lyon, France

Date: 12/07/2000