



## ADVISORY BOARD ON RADIATION AND WORKER HEALTH

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September 14, 2011

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The Honorable Kathleen Sebelius  
Secretary  
Department of Health and Human Services  
200 Independence Avenue, S.W.  
Washington, D.C. 20201

Dear Madam Secretary:

The Advisory Board on Radiation and Worker Health (The Board) has evaluated Special Exposure Cohort (SEC) Petition 00185 concerning workers at the Ames Laboratory at Iowa State University, in Ames, Iowa, under the statutory requirements established by the Energy Employees Occupational Illness Compensation Program Act of 2000 (EEOICPA) and incorporated into 42 CFR Sec. 83.13.

The Board respectfully recommends that SEC status be accorded to:

"All Department of Energy employees, its predecessor agencies, and its contractors and subcontractors who worked in any area of the Ames Laboratory at Iowa State University during the period from August 13, 1942 through December 31, 1970, for a number of work days aggregating at least 250 work days, occurring either solely under this employment or in combination with work days within the parameters established for one or more classes of employees included in the Special Exposure Cohort."

This recommendation is based on the following factors:

- Individuals working at the Ames Laboratory at Iowa State University during the time period in question worked on the production of materials for nuclear weapons.
- The National Institute for Occupational Safety and Health (NIOSH) review of available monitoring data, as well as available process and source term information for various production activities at Ames Laboratory found that NIOSH lacked adequate information necessary to complete individual dose reconstructions with sufficient accuracy for most external exposures and internal radiological exposures due to thorium, plutonium, thoron and mixed fission products during the time period in question. The Board concurs with this determination.
- NIOSH determined that health may have been endangered for these Ames Laboratory employees during the time period in question. The Board also concurs with this determination.

The Secretary

September 14, 2011

Based on these considerations and the discussion at the August 23-25, 2011 Board meeting held in Richland, Washington, the Board recommends that this class be added to the SEC.

Enclosed is the documentation from the Board meeting(s) where this SEC class was discussed. The documentation includes transcripts of the deliberations, copies of the petition, the NIOSH review thereof, and related materials. If any of these items are unavailable at this time, they will follow shortly.

Sincerely,

[Signature on file]

James M. Melius, M.D., Dr. PH  
Chairman, ABRWH

Enclosure