



THE SECRETARY OF HEALTH AND HUMAN SERVICES  
WASHINGTON, D.C. 20201

October 26, 2011

The Honorable Joseph R. Biden, Jr.  
President of the United States Senate  
Washington, D.C. 20510

Dear Mr. President:

Pursuant to the Energy Employees Occupational Illness Compensation Program Act of 2000 (EEOICPA) and 42 C.F.R. pt. 83, a petition was filed on behalf of workers from the Norton Company in Worcester, Massachusetts, to be added to the Special Exposure Cohort (SEC).

The Centers for Disease Control and Prevention's (CDC) National Institute for Occupational Safety and Health (NIOSH) evaluated the petition and presented its findings to the Advisory Board on Radiation and Worker Health (Board) on August 24, 2011. The Board considered the petition, and on September 19, 2011, I received the Board's recommendation concerning this petition. I have also received the deliberations, findings, and recommendations of the Director of NIOSH and the Director of CDC. Based on this information, I have determined that the following employees do not meet the statutory criteria for addition to the SEC, as authorized under EEOICPA, 42 U.S.C. § 7384q.

All Atomic Weapons Employees who worked in any building or area at the facility owned by Norton Co. (or a subsequent owner) in Worcester, Massachusetts, from October 11, 1962 through October 31, 2009.

The criteria and findings upon which this determination is based are provided in the enclosed report.

Please contact me if you have any further questions regarding this matter.

Sincerely,

[Signature on file]

Kathleen Sebelius  
Secretary

Enclosure



THE SECRETARY OF HEALTH AND HUMAN SERVICES  
WASHINGTON, D.C. 20201

October 26, 2011

The Honorable Harry Reid  
Majority Leader  
United States Senate  
Washington, D.C. 20510

Dear Senator Reid:

Pursuant to the Energy Employees Occupational Illness Compensation Program Act of 2000 (EEOICPA) and 42 C.F.R. pt. 83, a petition was filed on behalf of workers from the Norton Company in Worcester, Massachusetts, to be added to the Special Exposure Cohort (SEC).

The Centers for Disease Control and Prevention's (CDC) National Institute for Occupational Safety and Health (NIOSH) evaluated the petition and presented its findings to the Advisory Board on Radiation and Worker Health (Board) on August 24, 2011. The Board considered the petition, and on September 19, 2011, I received the Board's recommendation concerning this petition. I have also received the deliberations, findings, and recommendations of the Director of NIOSH and the Director of CDC. Based on this information, I have determined that the following employees do not meet the statutory criteria for addition to the SEC, as authorized under EEOICPA, 42 U.S.C. § 7384q.

All Atomic Weapons Employees who worked in any building or area at the facility owned by Norton Co. (or a subsequent owner) in Worcester, Massachusetts, from October 11, 1962 through October 31, 2009.

The criteria and findings upon which this determination is based are provided in the enclosed report.

Please contact me if you have any further questions regarding this matter.

Sincerely,

[Signature on file]

Kathleen Sebelius  
Secretary

Enclosure



THE SECRETARY OF HEALTH AND HUMAN SERVICES  
WASHINGTON, D.C. 20201

October 26, 2011

The Honorable Mitch McConnell  
Minority Leader  
United States Senate  
Washington, D.C. 20510

Dear Senator McConnell:

Pursuant to the Energy Employees Occupational Illness Compensation Program Act of 2000 (EEOICPA) and 42 C.F.R. pt. 83, a petition was filed on behalf of workers from the Norton Company in Worcester, Massachusetts, to be added to the Special Exposure Cohort (SEC).

The Centers for Disease Control and Prevention's (CDC) National Institute for Occupational Safety and Health (NIOSH) evaluated the petition and presented its findings to the Advisory Board on Radiation and Worker Health (Board) on August 24, 2011. The Board considered the petition, and on September 19, 2011, I received the Board's recommendation concerning this petition. I have also received the deliberations, findings, and recommendations of the Director of NIOSH and the Director of CDC. Based on this information, I have determined that the following employees do not meet the statutory criteria for addition to the SEC, as authorized under EEOICPA, 42 U.S.C. § 7384q.

All Atomic Weapons Employees who worked in any building or area at the facility owned by Norton Co. (or a subsequent owner) in Worcester, Massachusetts, from October 11, 1962 through October 31, 2009.

The criteria and findings upon which this determination is based are provided in the enclosed report.

Please contact me if you have any further questions regarding this matter.

Sincerely,

[Signature on file]

Kathleen Sebelius  
Secretary

Enclosure



THE SECRETARY OF HEALTH AND HUMAN SERVICES  
WASHINGTON, D.C. 20201

October 26, 2011

The Honorable John A. Boehner  
Speaker of the House of Representatives  
Washington, D.C. 20515

Dear Mr. Speaker:

Pursuant to the Energy Employees Occupational Illness Compensation Program Act of 2000 (EEOICPA) and 42 C.F.R. pt. 83, a petition was filed on behalf of workers from the Norton Company in Worcester, Massachusetts, to be added to the Special Exposure Cohort (SEC).

The Centers for Disease Control and Prevention's (CDC) National Institute for Occupational Safety and Health (NIOSH) evaluated the petition and presented its findings to the Advisory Board on Radiation and Worker Health (Board) on August 24, 2011. The Board considered the petition, and on September 19, 2011, I received the Board's recommendation concerning this petition. I have also received the deliberations, findings, and recommendations of the Director of NIOSH and the Director of CDC. Based on this information, I have determined that the following employees do not meet the statutory criteria for addition to the SEC, as authorized under EEOICPA, 42 U.S.C. § 7384q.

All Atomic Weapons Employees who worked in any building or area at the facility owned by Norton Co. (or a subsequent owner) in Worcester, Massachusetts, from October 11, 1962 through October 31, 2009.

The criteria and findings upon which this determination is based are provided in the enclosed report.

Please contact me if you have any further questions regarding this matter.

Sincerely,

[Signature on file]

Kathleen Sebelius  
Secretary

Enclosure



THE SECRETARY OF HEALTH AND HUMAN SERVICES  
WASHINGTON, D.C. 20201

October 26, 2011

The Honorable Nancy Pelosi  
Minority Leader  
House of Representatives  
Washington, D.C. 20515

Dear Representative Pelosi:

Pursuant to the Energy Employees Occupational Illness Compensation Program Act of 2000 (EEOICPA) and 42 C.F.R. pt. 83, a petition was filed on behalf of workers from the Norton Company in Worcester, Massachusetts, to be added to the Special Exposure Cohort (SEC).

The Centers for Disease Control and Prevention's (CDC) National Institute for Occupational Safety and Health (NIOSH) evaluated the petition and presented its findings to the Advisory Board on Radiation and Worker Health (Board) on August 24, 2011. The Board considered the petition, and on September 19, 2011, I received the Board's recommendation concerning this petition. I have also received the deliberations, findings, and recommendations of the Director of NIOSH and the Director of CDC. Based on this information, I have determined that the following employees do not meet the statutory criteria for addition to the SEC, as authorized under EEOICPA, 42 U.S.C. § 7384q.

All Atomic Weapons Employees who worked in any building or area at the facility owned by Norton Co. (or a subsequent owner) in Worcester, Massachusetts, from October 11, 1962 through October 31, 2009.

The criteria and findings upon which this determination is based are provided in the enclosed report.

Please contact me if you have any further questions regarding this matter.

Sincerely,

[Signature on file]

Kathleen Sebelius  
Secretary

Enclosure

HHS Determination Concerning a Petition to Add Members to the  
Special Exposure Cohort  
under the  
Energy Employees Occupational Illness Compensation Program Act of 2000

---

Determination Concerning a Petition for Employees from  
Norton Company  
Worcester, Massachusetts



## I. Determination

I, Kathleen Sebelius, Secretary of Health and Human Services (Secretary), have determined that the employees defined in Section II of this report do not meet the statutory criteria for addition to the Special Exposure Cohort (SEC), as authorized under the Energy Employees Occupational Illness Compensation Program Act of 2000 (EEOICPA), 42 U.S.C. § 7384q.

October 26, 2011  
Date

[Signature on file]  
Kathleen Sebelius

## II. Employee Class Definition

All Atomic Weapons Employees who worked in any building or area at the facility owned by Norton Co. (or a subsequent owner) in Worcester, Massachusetts, from October 11, 1962 through October 31, 2009.

## III. Decision Criteria and Recommendations

Pursuant to 42 U.S.C. § 7384q, to designate a class for addition to the SEC, the Secretary must determine, upon recommendation of the Advisory Board on Radiation and Worker Health (Board), that

- (1) it is not feasible to estimate with sufficient accuracy the radiation dose that the class received; and
- (2) there is a reasonable likelihood that such radiation dose may have endangered the health of members of the class.

The SEC final rule states in 42 C.F.R. § 83.13(c)(1) that it is feasible in two situations to estimate the radiation dose that the class received with sufficient accuracy. First, the rule states that radiation doses may be estimated with sufficient accuracy if NIOSH has established that it has access to sufficient information to estimate the maximum radiation dose for every type of cancer for which radiation doses are reconstructed that could have been incurred under plausible circumstances by any member of the class. Alternatively, radiation doses may be estimated with sufficient accuracy if NIOSH has established that it has access to sufficient information to estimate the radiation doses of members of the class more precisely than a maximum dose estimate.

In a letter received by the Secretary on September 19, 2011, the Board, pursuant to 42 U.S.C. § 7384q, agreed with the following NIOSH findings, effectively advising the Secretary that radiation dose can be reconstructed with sufficient accuracy for certain Norton Company employees in accordance with provisions of EEOICPA and the SEC final rule.

## IV. Determination Findings

## Feasibility of Estimating Radiation Doses with Sufficient Accuracy

The Secretary established the feasibility determination for the class of employees covered by this report based upon the findings summarized below.

- NIOSH determined that workers during the residual period from October 11, 1962 through October 31, 2009 may have received internal and external exposure to residual uranium, thoria, and thoron contamination that was generated during the operational and residual radiation periods.
- NIOSH has determined that it has access to sufficient information to estimate the maximum internal radiation dose that could have been incurred from exposure to uranium, thoria, and thoron during the residual period. Using gross alpha air monitoring results collected at the Norton Co. near the end of the AWE operational period and during the residual radiation period, and the guidance in ORAUT-OTIB-0070, and empirical source-term depletion-rate information, NIOSH can bound the internal doses potentially received from exposures to residual uranium and thoria for the period from October 11, 1962 through October 31, 2009.
- NIOSH has access to sufficient information to estimate the maximum external radiation dose that could have been incurred from exposure to uranium and thoria during the residual period. The gross alpha air contamination data from the operational period and the methods described in Battelle-TBD-6000 allow NIOSH to bound external doses from residual uranium and thoria for the period from October 11, 1962 through October 31, 2009.
- NIOSH determined that the reconstruction of internal and external doses is feasible for the residual radiation period from October 11, 1962 through October 31, 2009.
- NIOSH determined that it has access to sufficient Norton Co. facility information to either (1) estimate the maximum internal and external radiation dose for every type of cancer for which radiation doses are reconstructed that could have been incurred under plausible circumstances by any member of the evaluated class; or (2) estimate the internal and external radiation doses to members of the evaluated class more precisely than a maximum dose estimate.
- The Board concurred with the NIOSH findings.

## Health Endangerment

Because the Secretary established that it is feasible to estimate with sufficient accuracy the radiation doses encountered by Norton Co. employees as specified in this class, a determination of health endangerment is not required.

## V. Effect of the Determination

Members of the class of employees covered by this determination and their survivors continue to be eligible to submit claims for compensation under EEOICPA. As required for cancer claims covering other DOE and Atomic Weapons Employer employees (or Atomic Weapons Employees) not included in the SEC, qualified cancer claims under Part B of EEOICPA for members of this class will be adjudicated by the Department of Labor, in part on the basis of radiation dose reconstructions which will be conducted by NIOSH.

## VI. Administrative Review of Determination

The determination provided in this report may be subject to an administrative review within HHS, pursuant to 42 C.F.R. § 83.18(a). On the basis of such a review, if the Secretary decides to designate the class of employees covered by this determination, in part or in whole, as an addition to the SEC, the Secretary would transmit a new report to Congress providing the designation and the criteria and findings on which the decision was based.