

SEC00250

Special Exposure Cohort Petition  
under the Energy Employees Occupational  
Illness Compensation Program Act

U.S. Department of Health and Human Services  
Centers for Disease Control and Prevention  
National Institute for Occupational Safety and Health

Special Exposure Cohort Petition — Form B

OMB Number: 0920-0639

Expires: 10/31/2019

Page 1 of 7

Use of this form is voluntary. Failure to use this form will not result in  
the denial of any right, benefit, or privilege to which you may be entitled.

General Instructions on Completing this Form (complete instructions are available in a separate packet):

Except for signatures, please PRINT all information clearly and neatly on the form.

Please read each of Parts A – G in this form and complete the sections appropriate to you. If there is more than one petitioner, then each petitioner should complete those sections of Parts A – C of the form that apply to them. Additional copies of the first two pages of this form are provided at the end of the form for this purpose. A maximum of three petitioners is allowed.

If you need more space to provide additional information, use the continuation page provided at the end of the form and attach the completed continuation page(s) to Form B.

**For Further Information:** If you have questions about the use of this form, please call the following NIOSH toll-free phone number and request to speak to someone in the Division of Compensation Analysis and Support about an SEC petition: 1-877-222-8570.

If you are:		Start at D
		Start at C
		Start at B
		Start at A

**A. Representative Information** Complete Part A if you are authorized by an Energy Employee or Survivor(s) to petition on behalf of a class.

A.1 Are you a contact person for an organization?  Yes (Go to A.2)  No (Go to A.3)

A.2 Organization Information:

Name of Organization

Position of Contact Person

A.3 Name of Petition Representative:

Mr./Mrs./Ms. First Name Middle Initial Last Name

A.4 Address of Petition Representative:

Street Apt # P.O. Box

City State Zip Code

A.5 Telephone Number of Petition Representative: ( )

A.6 Email Address of Petition Representative:

A.7  Check the box at left to indicate you have attached to the back of this form written authorization to petition by the survivor(s) or energy employee(s) indicated in Parts B or C of this form.

If you are representing a Survivor, go to Part B;  
if you are representing an Energy Employee, go to Part C.

**Special Exposure Cohort Petition**  
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**B. Survivor Information** Complete Part B if you are a Survivor or representing a Survivor.

**B.1 Name of Survivor:**

\_\_\_\_\_  
Mr./Mrs./Ms. First Name Middle Initial Last Name

**B.2 Address of Survivor:**

\_\_\_\_\_  
Street Apt # P.O. Box

\_\_\_\_\_  
City State Zip Code

**B.3 Telephone Number of Survivor:** ( ) \_\_\_\_\_

**B.4 Email Address of Survivor:** \_\_\_\_\_

**B.5 Relationship to Energy Employee:**  Spouse  Son/Daughter  Parent  
 Grandparent  Grandchild

**Go to Part C.**

**C. Energy Employee Information** Complete Part C UNLESS you are a labor organization.

**C.1 Name of Energy Employee:**

\_\_\_\_\_  
First Name Middle Initial Last Name

**C.2 Former Name of Energy Employee (e.g., maiden name/legal name change/other):**

\_\_\_\_\_  
Mr./Mrs./Ms. First Name Middle Initial Last Name

**C.3 Address of Energy Employee (if living):**

\_\_\_\_\_  
Street Apt # P.O. Box

\_\_\_\_\_  
City State Zip Code

**C.4 Telephone Number of Energy Employee:** ( ) \_\_\_\_\_

**C.5 Email Address of Energy Employee:** \_\_\_\_\_

**C.6 Employment Information Related to Petition:**

**C.6a Energy Employee Number (if known):** \_\_\_\_\_

**C.6b Dates of Employment:** 10/1980 End 3/2013

**C.6c Employer Name:** \_\_\_\_\_

**C.6d Work Site Location:** Y-12

**C.6e Supervisor's Name:** \_\_\_\_\_

**Go to Part E.**

**D. Labor Organization Information** Complete Part D ONLY if you are a labor organization.

**D.1 Labor Organization Information:**

\_\_\_\_\_  
Name of Organization

\_\_\_\_\_  
Position of Contact Person

**D.2 Name of Petition Representative:**

\_\_\_\_\_  
Mr./Mrs./Ms.    First Name                      Middle Initial                      Last Name

**D.3 Address of Petition Representative:**

\_\_\_\_\_  
Street    Apt #    P.O. Box

\_\_\_\_\_  
City    State    Zip Code

**D.4 Telephone Number of Petition Representative:** (    ) \_\_\_\_\_

**D.5 Email Address of Petition Representative:** \_\_\_\_\_

**D.6 Period during which labor organization represented energy employees covered by this petition**  
(please attach documentation):

Start \_\_\_\_\_ End \_\_\_\_\_

**D.7 Identity of other labor organizations that may represent or have represented this class**  
**of energy employees (if known):**

\_\_\_\_\_

**Go to Part E.**

**Special Exposure Cohort Petition**  
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**E. Proposed Definition of Energy Employee Class Covered by Petition Complete Part E.**

E.1 Name of DOE or AWE Facility: Y-12

E.2 Locations at the Facility relevant to this petition:

All Y-12 Buildings where uranium was processed  
or fabricated

E.3 List job titles and/or job duties of energy employees included in the class. In addition, you can list by name any individuals other than petitioners identified on this form who you believe should be included in this class:

All workers

E.4 Employment Dates relevant to this petition:

Start January 1980 End December 1989

Start \_\_\_\_\_ End \_\_\_\_\_

Start \_\_\_\_\_ End \_\_\_\_\_

E.5 Is the petition based on one or more unmonitored, unrecorded, or inadequately monitored or recorded exposure incidents?:

If yes, provide the date(s) of the incident(s) and a complete description (attach additional pages as necessary):

Go to Part F.

**F. Basis for Proposing that Records and Information are Inadequate for Individual Dose Reconstruction Complete Part F.**

Complete at least one of the following entries in this section by checking the appropriate box and providing the required information related to the selection. You are not required to complete more than one entry.

- F.1  We have attached either documents or statements provided by affidavit that indicate that radiation exposures and radiation doses potentially incurred by members of the proposed class, that relate to this petition, were not monitored, either through personal monitoring or through area monitoring.

(Attach documents and/or affidavits to the back of the petition form.)

Describe as completely as possible, to the extent it might be unclear, how the attached documentation and/or affidavit(s) indicate that potential radiation exposures were not monitored.

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- F.2  We have attached either documents or statements provided by affidavit that indicate that radiation monitoring records for members of the proposed class have been lost, falsified, or destroyed; or that there is no information regarding monitoring, source, source term, or process from the site where the energy employees worked.

(Attach documents and/or affidavits to the back of the petition form.)

Describe as completely as possible, to the extent it might be unclear, how the attached documentation and/or affidavit(s) indicate that radiation monitoring records for members of the proposed class have been lost, altered illegally, or destroyed.

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F.3 I/We have attached a report from a health physicist or other individual with expertise in radiation dose reconstruction documenting the limitations of existing DOE or AWE records on radiation exposures at the facility, as relevant to the petition. The report specifies the basis for believing these documented limitations might prevent the completion of dose reconstructions for members of the class under 42 CFR Part 82 and related NIOSH technical implementation guidelines.

(Attach report to the back of the petition form.)

F.4 I/We have attached a scientific or technical report, issued by a government agency of the Executive Branch of Government or the General Accounting Office, the Nuclear Regulatory Commission, or the Defense Nuclear Facilities Safety Board, or published in a peer-reviewed journal, that identifies dosimetry and related information that are unavailable (due to either a lack of monitoring or the destruction or loss of records) for estimating the radiation doses of energy employees covered by the petition.

(Attach report to the back of the petition form.)

**Go to Part G.**

**G. Signature of Person(s) Submitting this Petition Complete Part G.**

**All Petitioners should sign and date the petition. A maximum of three persons may sign the petition.**

Signature \_\_\_\_\_

Date \_\_\_\_\_

Signature \_\_\_\_\_

Date \_\_\_\_\_

Signature \_\_\_\_\_

Date \_\_\_\_\_

**Notice:** Any person who knowingly makes any false statement, misrepresentation, concealment of fact or any other act of fraud to obtain compensation as provided under EEOICPA or who knowingly accepts compensation to which that person is not entitled is subject to civil or administrative remedies as well as felony criminal prosecution and may, under appropriate criminal provisions, be punished by a fine or imprisonment or both. I affirm that the information provided on this form is accurate and true.

Send this form to: SEC Petition  
Division of Compensation Analysis and Support  
NIOSH  
1090 Tusculum Ave, MS-C-47  
Cincinnati, OH 45226

**If there are additional petitioners, they must complete the Appendix Forms for additional petitioners.  
The Appendix forms are located at the end of this document.**

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**Public Burden Statement**

Public reporting burden for this collection of information is estimated to average 5 hours per response, including time for reviewing instructions, gathering the information needed, and completing the form. If you have any comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, send them to CDC Reports Clearance Officer, 1600 Clifton Road, MS-E-11, Atlanta GA, 30333; ATTN: PRA 0920-0639. Do not send the completed petition form to this address. Completed petitions are to be submitted to NIOSH at the address provided in these instructions. Persons are not required to respond to the information collected on this form unless it displays a currently valid OMB number.

**Privacy Act Advisement**

In accordance with the Privacy Act of 1974, as amended (5 U.S.C. § 552a), you are hereby notified of the following:

The Energy Employees Occupational Illness Compensation Program Act (42 U.S.C. §§ 7384-7385) (EEOICPA) authorizes the President to designate additional classes of employees to be included in the Special Exposure Cohort (SEC). EEOICPA authorizes HHS to implement its responsibilities with the assistance of the National Institute for Occupational Safety (NIOSH), an Institute of the Centers for Disease Control and Prevention. Information obtained by NIOSH in connection with petitions for including additional classes of employees in the SEC will be used to evaluate the petition and report findings to the Advisory Board on Radiation and Worker Health and HHS.

Records containing identifiable information become part of an existing NIOSH system of records under the Privacy Act, 09-20-147 "Occupational Health Epidemiological Studies and EEOICPA Program Records and WTC Health Program Records, HHS/CDC/NIOSH." These records are treated in a confidential manner, unless otherwise compelled by law. Disclosures that NIOSH may need to make for the processing of your petition or other purposes are listed below.

NIOSH may need to disclose personal identifying information to: (a) the Department of Energy, other federal agencies, other government or private entities and to private sector employers to permit these entities to retrieve records required by NIOSH; (b) identified witnesses as designated by NIOSH so that these individuals can provide information to assist with the evaluation of SEC petitions; (c) contractors assisting NIOSH; (d) collaborating researchers, under certain limited circumstances to conduct further investigations; (e) Federal, state and local agencies for law enforcement purposes; and (f) a Member of Congress or a Congressional staff member in response to a verified inquiry.

This notice applies to all forms and informational requests that you may receive from NIOSH in connection with the evaluation of an SEC petition.

Use of the NIOSH petition forms (A and B) is voluntary but your provision of information required by these forms is mandatory for the consideration of a petition, as specified under 42 CFR Part 83. Petitions that fail to provide required information may not be considered by HHS.

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**Appendix — Petitioner 2**

**Use of this form is voluntary. Failure to use this form will not result in the denial of any right, benefit, or privilege to which you may be entitled.**

**Use this Appendix for Petitioner 2.**

This appendix form is to be used as needed. Petitioner 2, or his or her representative, should complete the sections applicable to him or her.

Refer to the General Instructions on completing petitioner information for Parts A, B, or C.

If you need more space to provide additional information, use the continuation page provided at the end of the form and attach the completed continuation page(s) to Form B.

Except for signatures, please **PRINT** all information clearly and neatly on the form.

**If you are:**

- |   |            |
|---|------------|
| <input type="checkbox"/> An Energy Employee (current or former),                                | Start at C |
| <input type="checkbox"/> A Survivor (of a former Energy Employee),                              | Start at B |
| <input type="checkbox"/> A Representative (of a current or former Energy Employee or Survivor); | Start at A |

**A. Representative Information** Complete Part A if you are authorized by an Energy Employee or Survivor(s) to petition on behalf of a class.

A.1 **Are you a contact person for an organization?**  Yes (Go to A.2)  No (Go to A.3)

A.2 **Organization Information:**

\_\_\_\_\_  
Name of Organization

\_\_\_\_\_  
Position of Contact Person

A.3 **Name of Petition Representative:**

\_\_\_\_\_  
Mr./Mrs./Ms.    First Name                      Middle Initial                      Last Name

A.4 **Address of Petition Representative:**

\_\_\_\_\_  
Street    Apt #    P.O. Box

\_\_\_\_\_  
City    State    Zip Code

A.5 **Telephone Number of Petition Representative:** (       ) \_\_\_\_\_

A.6 **Email Address of Petition Representative:** \_\_\_\_\_

A.7  Check the box at left to indicate you have attached to the back of this form written authorization to petition by the survivor(s) or energy employee(s) indicated in Parts B or C of this form. An authorization form for this purpose is provided.

**If you are representing a Survivor, go to Part B;  
If you are representing an Energy Employee, go to Part C.**

**Special Exposure Cohort Petition**  
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Appendix — Petitioner 2

**B. Survivor Information Complete Part B if you are a Survivor or representing a Survivor.**

**B.1 Name of Survivor:**

Mr./Mrs./Ms. First Name Middle Initial Last Name

**B.2 Address of Survivor:**

Street Apt # P.O. Box

City State Zip Code

**B.3 Telephone Number of Survivor:** ( )

**B.4 Email Address of Survivor:**

**B.5 Relationship to Energy Employee:**  Spouse  Son/Daughter  Parent  
 Grandparent  Grandchild

**Go to Part C.**

**C. Energy Employee Information Complete Part C.**

**C.1 Name of Energy Employee:**

Mr./Mrs./Ms. First Name Middle Initial Last Name

**C.2 Former Name of Energy Employee (e.g., maiden name/legal name change/other):**

Mr./Mrs./Ms. First Name Middle Initial Last Name

**C.3 Address of Energy Employee (if living):**

Street Apt # P.O. Box

City State Zip Code

**C.4 Telephone Number of Energy Employee:** ( )

**C.5 Email Address of Energy Employee:**

**C.6 Employment Information Related to Petition:**

**C.6a Energy Employee Number (if known):**

**C.6b Dates of Employment:** Start End

**C.6c Employer Name:**

**C.6d Work Site Location:**

**C.6e Supervisor's Name:**

**Sign Part G of the original petition.**

**Special Exposure Cohort Petition**  
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Centers for Disease Control and Prevention  
National Institute for Occupational Safety and Health

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**Appendix — Petitioner 3**

**Use of this form is voluntary. Failure to use this form will not result in the denial of any right, benefit, or privilege to which you may be entitled.**

**Use this Appendix for Petitioner 3.**

This appendix form is to be used as needed. Petitioner 3, or his or her representative, should complete the sections applicable to him or her.

Refer to the General Instructions on completing petitioner information for Parts A, B, or C.

If you need more space to provide additional information, use the continuation page provided at the end of the form and attach the completed continuation page(s) to Form B.

Except for signatures, please **PRINT** all information clearly and neatly on the form.

<b>If you are:</b>	<input type="checkbox"/> An Energy Employee (current or former),	Start at C
	<input type="checkbox"/> A Survivor (of a former Energy Employee),	Start at B
	<input type="checkbox"/> A Representative (of a current or former Energy Employee);	Start at A

**A. Representative Information** Complete Part A if you are authorized by an Energy Employee or Survivor(s) to petition on behalf of a class.

**A.1 Are you a contact person for an organization?**  Yes (Go to A.2)  No (Go to A.3)

**A.2 Organization Information:**

\_\_\_\_\_  
Name of Organization

\_\_\_\_\_  
Position of Contact Person

**A.3 Name of Petition Representative:**

\_\_\_\_\_  
Mr./Mrs./Ms.    First Name                      Middle Initial                      Last Name

**A.4 Address of Petition Representative:**

\_\_\_\_\_  
Street    Apt #    P.O. Box

\_\_\_\_\_  
City    State    Zip Code

**A.5 Telephone Number of Petition Representative:** (\_\_\_\_\_) \_\_\_\_\_

**A.6 Email Address of Petition Representative:** \_\_\_\_\_

**A.7**  Check the box at left to indicate you have attached to the back of this form written authorization to petition by the survivor(s) or energy employee(s) indicated in Parts B or C of this form. An authorization form for this purpose is provided.

**If you are representing a Survivor, go to Part B;**  
**if you are representing an Energy Employee, go to Part C.**

**Special Exposure Cohort Petition**  
under the Energy Employees Occupational  
Illness Compensation Program Act

**U.S. Department of Health and Human Services**  
Centers for Disease Control and Prevention  
National Institute for Occupational Safety and Health

**Special Exposure Cohort Petition — Form B**

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Appendix — Petitioner 3

**B. Survivor Information** Complete Part B if you are a Survivor or representing a Survivor.

**B.1 Name of Survivor:**

Mr./Mrs./Ms. First Name Middle Initial Last Name

**B.2 Address of Survivor:**

Street Apt # P.O. Box

City State Zip Code

**B.3 Telephone Number of Survivor:** ( )

**B.4 Email Address of Survivor:**

**B.5 Relationship to Energy Employee:**  Spouse  Son/Daughter  Parent  
 Grandparent  Grandchild

**Go to Part C.**

**C. Energy Employee Information** Complete Part C.

**C.1 Name of Energy Employee:**

Mr./Mrs./Ms. First Name Middle Initial Last Name

**C.2 Former Name of Energy Employee (e.g., maiden name/legal name change/other):**

Mr./Mrs./Ms. First Name Middle Initial Last Name

**C.3 Address of Energy Employee (if living):**

Street Apt # P.O. Box

City State Zip Code

**C.4 Telephone Number of Energy Employee:** ( )

**C.5 Email Address of Energy Employee:**

**C.6 Employment Information Related to Petition:**

**C.6a Energy Employee Number (if known):**

**C.6b Dates of Employment:** Start End

**C.6c Employer Name:**

**C.6d Work Site Location:**

**C.6e Supervisor's Name:**

**Sign Part G of the original petition.**



**Special Exposure Cohort Petition**  
under the Energy Employees Occupational  
Illness Compensation Program Act

**U.S. Department of Health and Human Services**  
Centers for Disease Control and Prevention  
National Institute for Occupational Safety and Health

**Petitioner Authorization Form**

OMB Number: 0920-0639

Expires: 10/31/2019

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**Use of this form is voluntary. Failure to use this form will not result in the denial of any right, benefit, or privilege to which you may be entitled.**

**Instructions:**

If you wish to petition HHS to consider adding a class of energy employees to the Special Exposure Cohort and you are NOT either a member of that class, a survivor of a member of that class, or a labor organization representing or having represented members of that class, then 42 CFR Part 83, Section 83.7(c) requires that you obtain written authorization. You can obtain such authorization from either an energy employee who is a member of the class or a survivor of such an employee. You may use this form to obtain such authorization and submit the completed form to NIOSH with the related petition. **Please print legibly.**

**For Further Information: If you have questions about these instructions, please call the following NIOSH toll-free phone number and request to speak to someone in the Division of Compensation Analysis and Support about an SEC petition: 1-877-222-8670.**

Authorization for Individual or Entity to Petition HHS on Behalf of a Class of Energy Employees for Addition to the Special Exposure Cohort

I,

\_\_\_\_\_  
Name of Class Member or Survivor

All workers at Y-12

\_\_\_\_\_  
Street Address of Class Member or Survivor Apt. # P.O. Box

\_\_\_\_\_  
City, State, Zip Code of Class Member or survivor

**do hereby authorize:**

\_\_\_\_\_  
Name of Petitioner

\_\_\_\_\_  
Address of Petitioner Apt. # P.O. Box

\_\_\_\_\_  
City, State and Zip Code of Petitioner

**to petition the Department of Health and Human Services on behalf of a class of energy employees that include**

\_\_\_\_\_  
Name of Class member (energy employee, not the employee's survivor)

All workers at Y-12

**for the addition of the class to the Special Exposure Cohort, under the Energy Employee's Occupational Illness Compensation Program Act (42 U.S.C. §§ 7384-7385).**

**In providing this authorization, I recognize that the petitioner named above will have all the rights of a petitioner as provided for under 42 CFR Part 83.**

\_\_\_\_\_  
Signature of Class member or survivor.

\_\_\_\_\_  
Date

10/20/10

**Special Exposure Cohort Petition**  
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**U.S. Department of Health and Human Services**  
Centers for Disease Control and Prevention  
National Institute for Occupational Safety and Health

**Petitioner Authorization Form**

OMB Number: 0920-0639

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**Public Burden Statement**

Public reporting burden for this collection of information is estimated to average 3 minutes per response, including time for reviewing instructions, gathering the information needed, and completing the form. If you have any comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, send them to CDC Reports Clearance Officer, 1600 Clifton Road, MS-E-11, Atlanta GA, 30333; ATTN:PRA 0920-0639. Do not send the completed petition form to this address. Completed petitions are to be submitted to NIOSH at the address provided in these instructions. Persons are not required to respond to the information collected on this form unless it displays a currently valid OMB number.

**Privacy Act Advisement**

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Records containing identifiable information become part of an existing NIOSH system of records under the Privacy Act, 09-20-147 "Occupational Health Epidemiological Studies and EEOICPA Program Records and WTC Health Program Records, HHS/CDC/NIOSH." These records are treated in a confidential manner, unless otherwise compelled by law. Disclosures that NIOSH may need to make for the processing of your petition or other purposes are listed below.

NIOSH may need to disclose personal identifying information to: (a) the Department of Energy, other federal agencies, other government or private entities and to private sector employers to permit these entities to retrieve records required by NIOSH; (b) identified witnesses as designated by NIOSH so that these individuals can provide information to assist with the evaluation of SEC petitions; (c) contractors assisting NIOSH; (d) collaborating researchers, under certain limited circumstances to conduct further investigations; (e) Federal, state and local agencies for law enforcement purposes; and (f) a Member of Congress or a Congressional staff member in response to a verified inquiry.

This notice applies to all forms and informational requests that you may receive from NIOSH in connection with the evaluation of an SEC petition.

Use of this form is voluntary. Failure to use this form will not result in the denial of any right, benefit, or privilege to which you may be entitled.



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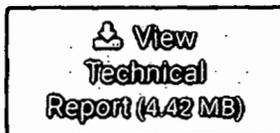
OSTI.GOV / Technical Report: Y-12 Uranium Exposure Study

## Y-12 Uranium Exposure Study

Full Record

Other Related Research

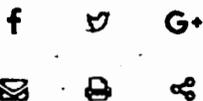
TECHNICAL  
REPORT:



DOI: 10.2172/10166

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### Abstract

Following the recent restart of operations at the Y-12 Plant, the Radiological Control Organization (RCO) observed that the enriched uranium exposures appeared to involve insoluble rather than soluble uranium that presumably characterized most earlier Y-12 operations. These observations necessitated changes in the bioassay program, particularly the need for routine fecal sampling. In addition, it was not reasonable to interpret the bioassay data using metabolic parameter values established during earlier Y-12 operations. Thus, the recent urinary and fecal bioassay data were interpreted using the default guidance in Publication 54 of the International Commission on Radiological Protection (ICRP); that is, inhalation of Class Y uranium with an activity median aerodynamic diameter (AMAD) of 1 {micro}m. Faced with apparently new workplace conditions, these actions

were appropriate and ensured a cautionary approach to worker protection. As additional bioassay data were accumulated, it became apparent that the data were not consistent with Publication 54. Therefore, this study was undertaken to examine the situation.

Authors: Eckerman, K.F.; Kerr, G.D.

Publication Date: 1999-08-05

Research Org.: Oak Ridge National Lab., TN (US)

Sponsoring Org.: USDOE Office of Energy Research (ER) (US)

OSTI Identifier: 10166

Report Number(s): ORNL/TM-1999/114  
TRN: AH200125%%359

DOE Contract Number: AC05-96OR22464

Resource Type: Technical Report

Resource Relation: Other Information: PBD: 5 Aug 1999

Country of Publication: United States

Language: English

Subject: 60 APPLIED LIFE SCIENCES; AERODYNAMICS;  
BIOASSAY; ENRICHED URANIUM;  
INHALATION; RADIATION PROTECTION;  
SAMPLING; URANIUM; Y-12 PLANT

### Citation Formats

MLA

APA

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Bibtex

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doi:10.2172/10166.

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Contact Us



October 18, 2018

SEC Petition  
NIOSH DCAS  
1090 Tusculum Avenue,  
Cincinnati, Ohio 45226

Re: Special Exposure Cohort Petition for Y-12 plant

Attached is a petition for workers at the Y-12 plant to be included in the Special Exposure Cohort (SEC). The petition asks that all workers in all Y-12 buildings where uranium was processed or fabricated between January 1, 1980 through December 31, 2000 be covered. The evidence shows that,

Y-12 did not monitor for internal dose prior to 1990.

The bottom of the attached occupational radiation report states, "a - Monitoring not required; b -In accordance with regulations, Internal Dose and Total Dose were not calculated prior to 1989"

Additionally, pages 50 and 51 of NIOSH's document asserts that,

<https://www.cdc.gov/niosh/ocas/pdfs/tbd/y125-r3.pdf>

"Thus, the presence of fecal sample results in an individual's monitoring records is a strong indicator that the worker was exposed to insoluble uranium compounds. "

NIOSH's assumption is incorrect shows that routine fecal sampling was not done before 1999.

The first page of "Y-12 Uranium Exposure Study" dated August 5, 1999,

<https://www.ornl.gov/sites/default/files/TM1999-114.pdf> states,

"Following the recent restart of operations at the Y-12 Plant, the Radiological Control Organization (RCO) observed that the enriched uranium exposures appeared to involve insoluble rather than soluble uranium that *presumably* characterized most earlier Y-12 operations. These observations necessitated changes in the bioassay program, particularly the need for routine fecal sampling."

Page 3 of this DOE memo dated July 15, 1999 shows the examples of deficiencies in worker monitoring programs across the DOE complex.

<https://energy.gov/sites/prod/files/hss/Enforcement%20and%20Oversight/Enforcement/archives/guidance/990715bioassay.pdf>

1. Annual reports to workers documenting their exposures to radiation incomplete.
2. Repeated failures to perform in vivo bioassays as required.
3. Failure to perform special, follow-up bioassays in a timely manner.
4. Radiological worker restrictions not implemented in a timely manner.
5. Failure to perform termination bioassays and, subsequently, failure to issue reports of terminated worker exposures.
6. Collection of routine bioassay samples incomplete.
7. Analysis of bioassay samples not performed for all radionuclides to which workers were exposed.
8. Workers enrolled in incorrect routine bioassay program.
9. Job-specific Radiation Work Permit (RWP) required bioassay samples not collected and processed.
10. Routine and special bioassay samples not collected and processed as required.
11. Dose assessments and subsequent dose assignment for workers with intakes of radioactive material not completed.
12. Bioassay program not consistently implemented across a contractor site.
13. Decision Levels in use did not appropriately reflect current quantitative capability of the site laboratory.
14. Inconsistent application of bioassay requirements for similar work activities.
15. Untimely performance of worker dose assessments.
16. Untimely radioanalytical processing of bioassay samples.
17. Internal dose assessments not accurate.
18. IDEP procedure reviews and subsequent revisions not performed.
19. Bioassay sample submission not verified as required.

Sincerely,

**PRIVACY ACT INFORMATION**

**Y-12 National Security Complex  
Occupational Radiation Dose Report**

Name:

Badge:

SSN:

Year	External Dose (rem)				Internal Dose (rem)	Total Dose (rem)
	Lens of Eye	Extremities	Shallow	Deep		
1980	a	a	0.720	0.040	a	b
1981	a	a	0.060	0.000	a	b
1982	a	a	0.550	0.000	b	b
1983	a	a	1.660	0.160	b	b
1984	a	a	0.110	0.030	b	b
1985	a	a	0.250	0.000	a	b
1986	a	a	0.000	0.000	a	b
1987	a	a	0.000	0.000	a	b
1988	a	a	0.000	0.000	a	b
1989	a	a	0.000	0.000	a	0.000
1990	a	a	0.000	0.000	a	0.000
1991	a	a	0.000	0.000	0.000	0.000
1992	a	a	0.000	0.000	a	0.000
1993	a	a	0.000	0.000	a	0.000
1994	a	a	0.066	0.000	a	0.000
1995	a	a	0.000	0.000	0.000	0.000
1996	a	a	0.069	0.000	0.000	0.000
1997	a	a	0.340	0.000	0.000	0.000
1998	a	a	0.236	0.010	0.001	0.011
1999	a	a	0.093	0.012	0.013	0.025
2000	a	a	a	a	0.000	0.000
<b>Cumulative Total Dose since 1989 =</b>						<b>0.036</b>

<sup>a</sup> Monitoring not required

<sup>b</sup> In accordance with regulations, Internal Dose and Total Dose were not calculated prior to 1989

**PRIVACY ACT INFORMATION**



Knoxville Pa&OC TN 375  
MON 22 OCT 2018 PM

SEC Petition  
NIOSH DCAS  
1090 Tusculum Avenue  
Cincinnati, Ohio 45226

