

08-13-07P03:52 RCVD

**Larry Elliott, Director,
Office of Compensation Analysis and Support
National Institute for Occupational Safety & Health
4676 Columbia Parkway, Mailstop C-46,
Cincinnati, OH 45226**

Dictum

While a student of statistics, sociology and physics during my years at Princeton University and the University of California, I was privileged to have been mentored by some of the most renowned professors in their respective fields.

In large part as a result of the tutelage I received, I am greatly apprehensive concerning the shortcomings of statistical methodologies. Due to the inherent nature of statistical analyses, there are significant opportunities for adverse results. Such results, if accepted as key determinants of dose reconstruction by O.C.A.S., could negate the achievement of the goals of the program (i.e., the optimal fairness of evaluations) as outlined by the Office of Compensation Analysis and Support (O.C.A.S).

To wit:

Methodologies making use of Gaussian distribution ("bell-shaped" curve) models, are, by definition, *merely approximations of reality*; i.e., they deal with probability analysis - nothing more, nothing less. The accuracy of cohort data analysis, is limited by levels of confidence and margins of error within the confines of any given standard deviation.

On the other hand, an attempt at ascertainment of *reality, per se*, (insofar as such might possibly be attainable) could more reasonably be approached (with an accompanying quantum leap in the level of certitude) through the implementation of intensive radiometric analyses and extensive forensic studies of biological remains, rather than reliance upon statistical probability analyses.

Modification of dose reconstructions to incorporate radiometric and forensic studies of biological remains (as well as statistical determinants) would more likely result in the achievement of the stated goals of N.I.O.S.H. / O.C.A.S. vis-a-vis fairness and equity in the evaluation of claims.

It is within these contexts that the enclosed materials are presented.

July 28, 2007

July 28, 2007

Special Exposure Cohort Petition — Form B

Use of this form and disclosure of Social Security Number are voluntary. Failure to use this form or disclose this number 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 parts 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.

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 Office of Compensation Analysis and Support about an SEC petition 1-800-356-4674.

If you are:	<input type="checkbox"/> A Labor Organization,	Start at D on Page 3
	<input type="checkbox"/> An Energy Employee (current or former),	Start at C on Page 2
	<input checked="" type="checkbox"/> A Survivor (of a former Energy Employee),	Start at B on Page 2
	<input type="checkbox"/> A Representative (of a current or former Energy Employee),	Start at A on Page 1

A Representative Information — Complete Section A if you are authorized by an 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:

Street Apt # P.O. Box

City State Zip Code

A.5 Telephone Number: _____

A.6 Email Address: _____

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

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

Name or Social Security Number of First Petitioner _____

Special Exposure Cohort Petition — Form B

B Survivor Information — Complete Section B if you are a Survivor or representing a survivor.

B.1

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

B.2 Social Security Number of Survivor:

B.3 Address of Survivor:

Street Apt # P.O. Box

City State Zip Code

B.4 Telephone Number of Survivor:

B.5 Email Address of Survivor:

B.6 Relationship to Employee:

Go to Part C.

C Employee Information — Complete Section C UNLESS you are a labor organization.

C.1 Name of Employee:

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

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

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

C.3 Social Security Number of Employee:

C.4 Address of Employee (if known):

Street Apt # P.O. Box

City State Zip Code

C.5 Telephone Number of Employee:

C.5 Email Address of Employee:

C.7 Employment Information Related to Petition:

C.7a Employee Number, if known:

C.7b Dates of Employment Start JULY 1, 1937 End NOV. 30, 1975

C.7c Employer Name: WESTINGHOUSE ATOMIC POWER PLANT

C.7d Work Site Location: EAST PITTSBURGH, PA

C.7e Supervisor's Name: (see enclosed)

Go to Part E.

Name or Social Security Number of First Petitioner: _____

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

LOUIS M. KRAM
NIOSH 022603
S.S. 162-14-9991

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

OMB Number: 0920-0639

Expires: 06/31/2007

Special Exposure Cohort Petition — Form B

Page 3 of 7

D Labor Organization Information — Complete Section 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:

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 employees covered by this petition
(please attach documentation):** Start _____ End _____

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

Go to Part E.

Name or Social Security Number of First Petitioner: _____

Special Exposure Cohort Petition
Under the Energy Employees Occupational
Illness Compensation Act

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

AIB Number: 0920-0539

Expires: 05/31/2007

Page 4 of 7

Special Exposure Cohort Petition — Form O

E Proposed Definition of Employee Class Covered by Petition — Complete Section E

E.1 Name of DOE or AWE Facility WESTINGHOUSE ATOMIC POWER PLANT

E.2 Locations at the Facility relevant to this petition:
EAST PITTSBURGH, PENNSYLVANIA
Building "K"

E.3 List job titles and/or job duties of 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:
TESTER
LABORATORY RESEARCH GROUP LEADER
(Position: Headquarters Service Engineer 4-SE-4)

E.4 Employment Dates relevant to this petition:
Start: JULY 1, 1937 End: NOVEMBER 30, 1975
Start: _____ End: _____
Start: _____ End: _____

E.5 Is the petition based on one or more unmonitored, unrecorded, or inadequately monitored or recorded exposure incidents? Yes No
If yes, provide the date(s) of the incident(s) and a complete description (attach additional pages as necessary):

I advised me of "visits" he made on one or more occasions to Chicago, Illinois, on Westinghouse / U.S. government assignments during World War II. Until my father was on his deathbed in 1978, I was not fully aware of the extent of his involvement with _____ immediate supervisor at Westinghouse. _____) was recognized worldwide as an expert in the field of atomic energy. As _____ approached death, _____ told me that _____ death was the result of improper supervision and/or monitoring while working at the Westinghouse facility. The United States government's own reports clearly indicate that there is potential for significant residual contamination outside of the period in which weapons related production occurred and that the site warrants further investigation. _____ n.b. It is essential to remember that _____ d the possibility of exposure at the site for many years prior to health hazard evaluations.

Go to Part F.

Special Exposure Cohort Petition — Form B

F Basis for Proposing that Records and Information are Inadequate for Individual Dose —
Complete Section 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

See <<http://66.218.69.11/search/cache?ei=UTF-8&p=%22potential+radiation+exposures%22+Westinghouse&fr=robo&u=www.cdc.gov/niosh/OCAS/pdfs/sec/y12/y12evrpt.pdf&w=%22potential+radiation+exposures%22+westinghouse&d=QCQHhOliPBkf&icp=1&intl=us>>

This document is enclosed.

NOTE: In spite of the fact that _____ supervisor was _____

a) Official Westinghouse document FORM 24903 F (q.v.), does NOT list _____

"HIGHEST SECURITY CLEARANCE EVER HELD". Furthermore,

the same document states that _____ was "exempt" from the military and the draft. All attempts to discover this information failed...

- F.2 If 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 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.

As a follow up to F.1, it seems odd that no documents are either extant or available to _____ specific activities at the East Pittsburgh

location. Whether the documents have been destroyed or lost, or otherwise

prohibited from surfacing remains unclear. What is clear, however, is

that the document cited in F.1 outlines the many difficulties which must be surmounted in order to establish dosage recreations. Even

though the article pertains to a different locale, the principles remain the same, and the difficulties have not been circumvented.

Part F is continued on the following page.

Special Exposure Cohort Petition — Form B

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 employees covered by the petition.

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

G Signature of Person(s) Submitting this Petition — Complete Section G.

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

Signature _____

8/1/07
Date

Signature _____

7/27/07
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
Office of Compensation Analysis and Support
NIOSH
4676 Columbia Parkway, 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.

Name or Social Security Number of First Petitioner _____

Special Exposure Cohort Petition — Form B

Public Burden Statement

Public reporting burden for this collection of information is estimated to average 300 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

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) (EEICPA) authorizes the President to designate additional classes of employees to be included in the Special Exposure Cohort (SEC). EEICPA authorizes HHS to implement its responsibilities with the assistance of the National Institute for Occupational Safety and Health (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 EEICPA 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.

Name or Social Security Number of First Petitioner: _____

Special Exposure Cohort Petition — Form D

Appendix — Petitioner 2

B Survivor Information — Complete section 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 Social Security Number of Survivor:

B.3 Address of Survivor:

Street Apt # P.O. Box

City State Zip Code

B.4 Telephone Number of Survivor:

B.5 Email Address of Survivor:

B.6 Relationship to Employee:

Go to Part C.

C Employee Information — Complete section C

C.1 Name of Employee:

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

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

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

C.3 Social Security Number of Employee:

C.4 Address of Employee (if living):

Street Apt # P.O. Box

City State Zip Code

C.5 Telephone Number of Employee:

C.6 Email Address of Employee:

C.7 Employment Information Related to Petition:

C.7a Employee Number (if known):

C.7b Dates of Employment: Start July 1, 1937 End November 30, 1975

C.7c Employer Name: WESTINGHOUSE ATOMIC POWER PLANT

C.7d Work Site Location: EAST PITTSBURGH, PENNSYLVANIA

C.7e Supervisor's Name:

Sign Part G of the original petition.

Name or Social Security Number of First Petitioner:

Special Exposure Cohort Petition
Under the Energy Employees Occupational
Illness Compensation Act

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

OMB Number 0920-0639

Expires: 05/31/2007

Appendix — Continuation Page

Special Exposure Cohort Petition — Form B

Continuation Page — Photocopy and complete as necessary

<<http://database.healthandenvironment.org/index.cfm>>
<http://www.em.doe.gov/doe/cda/search/search_results/0,2157,15023,00.html>
<<http://www.phenolics.org/products/PhenolicNL.htm>>
<http://oralhistories.library.caltech.edu/92/01/OH_Wouk_V.pdf>
<http://resolver.caltech.edu/CaltechOH:OH_Wouk_V>
<<http://prola.aps.org/search>>
<http://www.tpub.com/content/fc/14099/css/14099_66.htm>
<<http://legacystory.apps.em.doe.gov/text/link/link8.htm>>
<http://www.google.com/search?q=cache:YDNBo__zmr0J:www.tpub.com/content/fc/14099/css/14099_66.htm+%22HF+radiation%22+hazard&hl=en&gl=us&ct=clnk&cd=1>
<<http://66.102.7.104/search?q=cache:uPrgnA7AmUgJ:www.combat-diaries.co.uk/diary29/bomb.htm+Fermi+wave+trap+Westinghouse&hl=en&gl=us&ct=clnk&cd=17>>
<http://66.102.7.104/search?q=cache:YDNBo__zmr0J:www.tpub.com/content/fc/14099/css/14099_66.htm+%22HF+radiation%22+hazard&hl=en&gl=us&ct=clnk&cd=1>

Phys. Rev. 57, 247-254 (1940)

Phys. Rev. 57, 344-361 (1940)

Phys. Rev. 58, 1035-1042 (1940)

Rev. Mod. Phys. 17, 351-471 (1945)

HAXBY, W. E. SHOUPP, W. E. STEPHENS AND W. H. WELLS Westinghouse Res
East Pittsburgh, Pennsylvania (August 30, 1940)

Attach to Form B if necessary.

Name or Social Security Number of First Petitioner: _____

Special Exposure Cohort Petition - Form B
Appendix - Continuation Page

<<http://database.healthandenvironment.org/index.cfm>>

<<http://www.phenolics.org/products/PhenolicNL.htm>>

<http://oralhistories.library.caltech.edu/92/01/OH_Wouk_V.pdf>

<http://resolver.caltech.edu/CaltechOH:OH_Wouk_V>

<http://66.102.7.104/search?q=cache:YDNBo_zmr0J:www.tpub.com/content/fc/14099/css/14099_66.htm+%22HF+radiation%22+hazard&hl=en&gl=us&ct=clnk&cd=1>

<http://www.tpub.com/content/fc/14099/css/14099_66.htm>

<http://www.google.com/search?q=cache:YDNBo_zmr0J:www.tpub.com/content/fc/14099/css/14099_66.htm+%22HF+radiation%22+hazard&hl=en&gl=us&ct=clnk&cd=1>

<<http://66.102.7.104/search?q=cache:uPrnA7AmUgJ:www.combat-diaries.co.uk/diary29/bomb.htm+Fermi+wave+trap+Westinghouse&hl=en&gl=us&ct=clnk&cd=17>>

<<http://prola.aps.org/search>>

Phys. Rev. 57, 247-254 (1940)

Phys. Rev. 57, 344-361 (1940)

Phys. Rev. 58, 1035-1042 (1940)

Rev. Mod. Phys. 17, 351-471 (1945)

HAXBY, W. E. SHOUPP, W. E. STEPHENS AND W. H. WELLS
Westinghouse Research Laboratories, East Pittsburgh, Pennsylvania
(August 30, 1940)

<<http://legacystory.apps.em.doe.gov/text/link/link8.htm>>

<http://www.em.doe.gov/doe/cda/search/search_results/0,2157,15023,00.html>

Observation

Given the nature and import of wartime research at the Westinghouse East Pittsburgh Atomic facility, it is, at best, curious that I have been unable to recover any information regarding draft exemption(s) during World War II.

Furthermore, in spite of literally dozens of F.O.I.A. requests, no information was received concerning security clearances during the war.

This is totally inexplicable given the circumstances of his work, his work locale, his supervisors, etc.

n.b. _____ n was _____'s immediate supervisor while both worked at the East Pittsburgh Westinghouse Atomic facility during the war. Dr. Simpson and Louis Kram both worked together at the East Pittsburgh Westinghouse Atomic facility between 1937 and 1946.

John W. Simpson _____ of Nuclear Power

_____ began his career in 1937 as a junior engineer at Westinghouse's switchboard division in East Pittsburgh, Pa. There he met _____ the Navy's contract officer on the switchboard project at Westinghouse. The two first worked together to build switchboards that could withstand the hard impacts faced by naval vessels.

At the same time, _____ was studying at the University of Pittsburgh for a master's degree in electrical engineering, which he received in 1941.

After the attack on Pearl Harbor, _____ tried to enlist in the Army. When Rickover found out, he called _____ into his office and told him he would never let him leave his scientific work. He said, "We don't need more heroes, we need to win this war."

In 1946, Westinghouse granted _____ a two-year leave to work at the Oak Ridge National Laboratory in Tennessee. There, with Rickover and a group of engineers and scientists, he helped draft plans for the first attempt at applying nuclear energy to the generation of electricity.

After returning to Westinghouse in 1949, he was named assistant manager of engineering at the Bettis Atomic Power Laboratory in Pittsburgh, which the company operated for the Atomic Energy Commission. There, in addition to working on the Nautilus with Rickover, he helped design propulsion plants for the U.S.S. Long Beach and the U.S.S. Enterprise, the nation's first nuclear surface ships, and for the U.S.S. George Washington, the first nuclear submarine that carried Polaris missiles.

January 17, 2007

By _____

_____, a former top executive and engineer for the Westinghouse Electric Corporation who played a major role in developing the nation's atomic energy program, died _____ near his home on Hilton Head Island, S.C. He was _____

_____ work as a junior engineer at the Westinghouse switchboard division in East Pittsburgh, Pa in 1937. Mr. _____ was a close associate of _____, known as the father of the nuclear Navy. The two first worked together during World War II to build switchboards at Westinghouse Electric's Atomic Energy Plant in East Pittsburgh, Pennsylvania. _____ helped develop panels that could withstand the hard impacts faced by naval vessels.

_____ also was named an assistant director of the atomic energy Manhattan Project. At the same time, _____ was attending the University of Pittsburgh, where he studied atomic physics and engineering. _____ received a Master's Degree in Electrical Engineering in 1941.

After the attack on Pearl Harbor, _____ led to enlist in the Army. When _____ found out, he called _____ into his office and told him he would never let him leave his scientific work. He said, "We don't need more heroes, we need to win this war."

Obituaries

[Faint, illegible text]

[Faint, illegible text]

[Home](#) | [Terms of Use](#) | [Privacy Policy](#) | [Advertise](#) | [About Us](#) | [What's New](#) | [Help](#) | [Cor](#)
Copyright ©1997-2007 PG Publishing Co., Inc. All Rights Reserved.

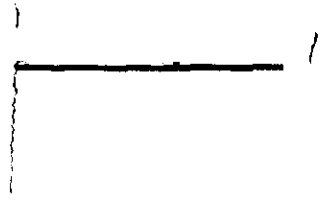
7/24/2007

IEEE History Center:

Lu
21
en



1



PERSONAL HISTORY RECORD

WESTINGHOUSE FORM 24903F

SOC. SEC. NO.

PAGE

1A

BIRTH DATE MO. DAY YEAR			NAME (LAST) (FIRST) (MIDDLE INITIAL)	
HEIGHT	WEIGHT	<input checked="" type="checkbox"/> MARRIED <input type="checkbox"/> SINGLE	NO. DEPENDENT CHILDREN	CITIZEN OF U.S.A. <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
MILITARY STATUS OR DRAFT CLASSIFICATION Exempt			HIGHEST SECURITY CLEARANCE EVER HELD	

IF INSUFFICIENT SPACE ANYWHERE BELOW - USE ANOTHER FORM - INSERT SOCIAL SECURITY NO. & NAME. CHANGE PAGE TO 1B AND USE APPROPRIATE SECTION FOR EXTRA SPACE NEEDED.

YEAR OF PHOTO

1965

EDUCATION

FROM MO. & YR.	TO MO. & YR.	NAME OF SCHOOL & LOCATION (BEGIN WITH HIGH SCHOOL)	DEGREE	MAJOR COURSE OF STUDY

WORK EXPERIENCE

(LIST POSITIONS CHRONOLOGICALLY FROM EARLIEST TO PRESENT)

FROM MO. & YR.	TO MO. & YR.	NAME OF COMPANY (OR WESTINGHOUSE DIV. - DEPT.)	(1) POSITION (2) ACTIVITY (3) PRODUCT
		Ⓜ E. Pgh. - Swgr. Test Dept.	
		Pennwood Electric Co.	
		Ⓜ E. Pgh. - Swgr. Test Dept.	
	P	Ⓜ - 1844 Ardmore Blvd. Electric Service Div.	

Appendix A-3 Residual Radioactivity Evaluations for Individual Facilities

FACILITY NAME: Westinghouse Atomic Power Development Plant
East Pittsburgh, Pennsylvania

ALSO KNOWN AS: East Pittsburgh Plant

TIME PERIOD: 1941-1944

DESCRIPTION OF ACTIVITIES:

Westinghouse prepared uranium metal for _____ s staff and conducted development and pilot scale production of uranium oxide fuel elements. There could have been as much as 65 tons of uranium produced at this facility. But, the information is unclear as to whether all of the operations took place at the East Pittsburgh facility.

Documentation indicates that centrifuge assemblies existed at this facility as late as April 1946, with requests for disposition instructions. There is no available radiological survey data associated with this equipment. Additionally, documentation indicates that this facility was performing energy threshold and cross section fission studies in 1947, and was requesting information from the AEC on the process to obtain limited amounts of high purity metallic U-235.

A 1976 survey by ORNL did not identify any radioactive contamination above which could normally be considered background at the East Pittsburgh facility. The site was eliminated from FUSRAP consideration in 1985.

At the time of this report, documentation indicates that other Westinghouse facilities located in the Pittsburgh area may have been performing MED/AEC reactor development work, but are not listed on the AWE facility listing.

INFORMATIONAL SOURCES:

The sources of information used in this evaluation include information on the DOE Worker Advocacy Website and internal AEC/DOE correspondence provided by the DOE Worker Advocacy Group.

EVALUATION FINDINGS:

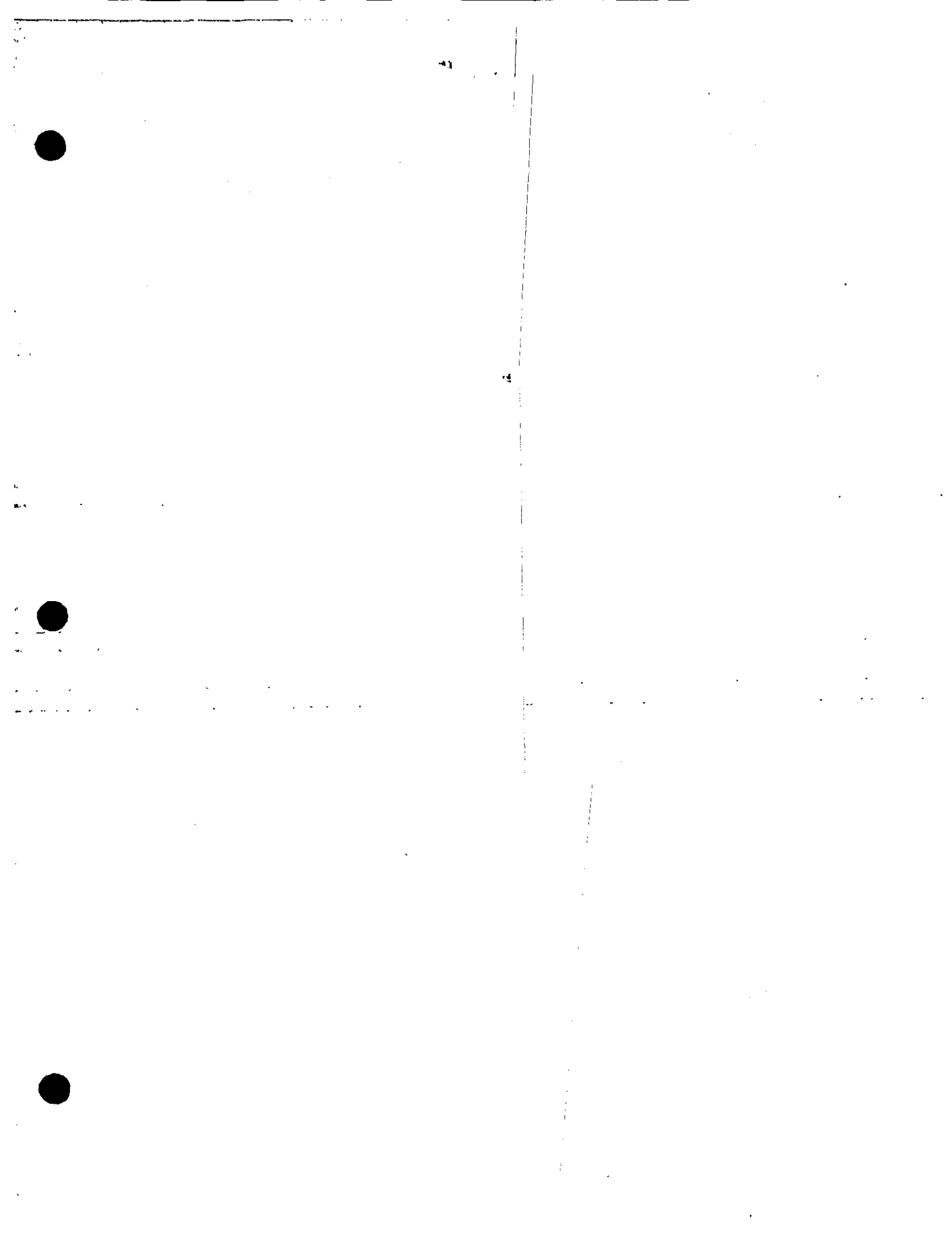
Documentation reviewed indicates that there is a potential for significant residual contamination outside of the period in which weapons-related production occurred.

PERIOD OF POTENTIAL RESIDUAL CONTAMINATION

Residual contamination from AEC/DOE activities is indistinguishable from non AEC/DOE activities.

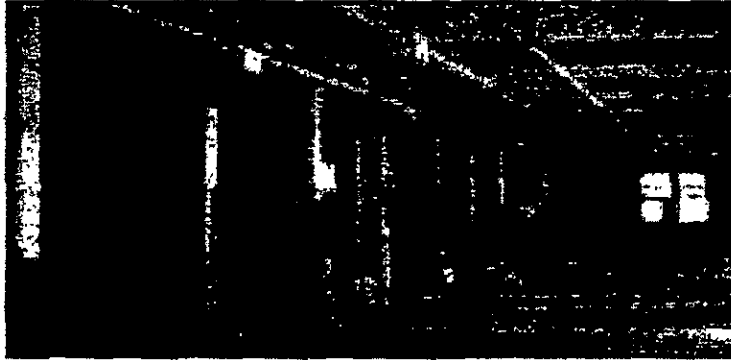
Appendix A-1 Changes to Radiological Facility Status

Facility	City	State	Period	Evaluation Finding in Status Report	Evaluation Finding in Final Report
Vitro Manufacturing (Canonsburg)	Canonsburg	PA	1942-1957	This site warrants further investigation.	
W.E. Pratt Manufacturing Co.	Joliet	IL	1943-1946	This site warrants further investigation.	
W.R. Grace (TN)	Erwin	TN	1958-1970	This site warrants further investigation.	
W.R. Grace and Company (MD)	Curtis Bay	MD	1955-1958	This site warrants further investigation.	
Watertown Arsenal	Waterdown	MA	1946-1952; 1953-1957	This site warrants further investigation.	
Westinghouse Advanced Reactors	Cheswick	PA	1971-1972	Not Included	
Westinghouse Atomic Power Development Plant	East Pittsburgh	PA	1941-1944	This site warrants further investigation.	



Observation

Interior typical of building "K"



....., was employed in BUILDING K at the Westinghouse Electric Corporation's East Pittsburgh Atomic Energy site.

I would make reference to Docket No.: 070-00239, License number SNM 234, Subject: Special Inspection No. 070-00239/96, and I quote:

"A contractor for the NRC, Oak Ridge National Laboratory (ORNL), initially reviewed each terminated license file and scored it according to a system designed to identify facilities that required additional review by the NRC staff. In general, files that indicate that radioactive material may have been used at particular facilities, but which do not include final survey records for these facilities, are identified for additional review. The review by ORNL identified LICENSE NO. SNM-234 as a file describing a site that requires additional review. The Region I staff reviewed this file and determined that additional action was necessary since there was NO FINAL RADIOLOGICAL SURVEY conducted at the facility. (BUILDING K at the Westinghouse Electric Corporation's East Pittsburgh Atomic Energy site.)

"License No. SNM-234 was issued to Westinghouse Electric Corporation's (Westinghouse) East Pittsburgh facility for research and development with ENRICHED URANIUM."

"On June 14, 1996, s of this office conducted a special safety inspection of BUILDING K OF THE EAST PITTSBURGH FACILITY of activities authorized by the former AEC license. The inspection consisted of observations, interviews with personnel and radiological measurements of building K where LICENSED RADIOACTIVE MATERIAL AUTHORIZED BY LICENSE No. SNM-234 WAS PREVIOUSLY USED OR STORED.