#### OAK RIDGE, TENNESSEE THE MANHATTAN PROJECT

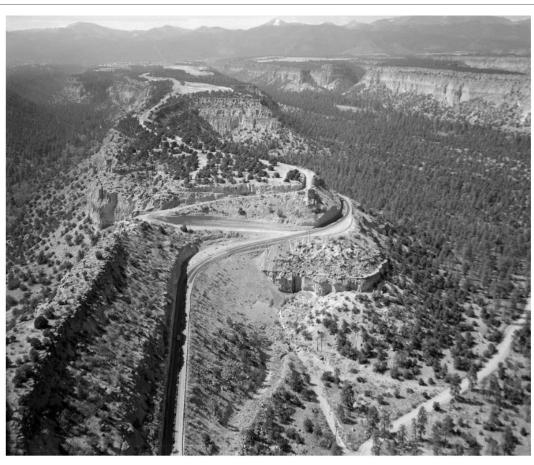
#### **WHERE IT BEGAN**

[The Secret City]

Energy Employees Records – The Ones Who Made it Happen



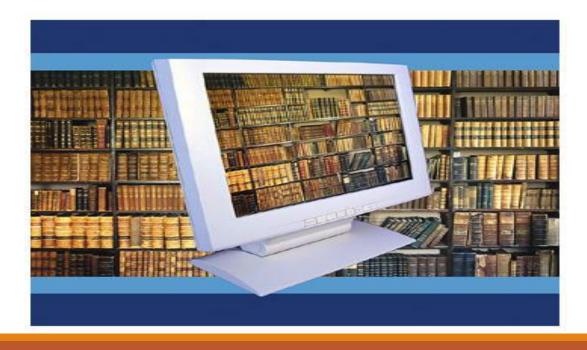
### Manhattan Project Atomic Energy Commission Energy Research and Development Administration Department of Energy



- The Secret City, as Oak Ridge was called when the Manhattan Project began, is located in the pristine East Tennessee Valley because....well, it's a valley surrounded by plush foliage and hills. What a perfect place!
- There were three valleys, one for X-10, one for Y-12, and one for K-25 where the thick foliage masked their construction. Yes, and they were all covered by trees.
- From 1938-1945, the Manhattan Project would be active until its amazing future work became the Atomic Energy Commission (AEC) until 1974.
- In October 1975, AEC became the Energy Research and Development Administration (ERDA) for a short time until October 1977, when it assumed the functions of the AEC that were not aligned to the Nuclear Regulatory Commission.
- ERDA then became the Department of Energy in 1977 because its mission was expanded to include national energy policy and production, research and development of the nuclear power, energy-related research, and energy conservation.
- You probably know all this already, so why do I tell you again?

### What is My Rationale?

 Through all those agencies, all those projects, all those efforts, and all that work, the employment records of the employees who worked at all of them became a part of the CSC Records Management Library (RML)! WHAT? How can that be?





Employee records from the Manhattan Project, AEC, ERDA, DOE, and all their contractors have been sent to RML because until 2005 when Y-12 became autonomous, the Oak Ridge Operations Office (now CSC) had oversight for all three Oak Ridge Plants and had the major records center in the area.

### The Science Records Community Built Strong with Broad Outreach

#### **SCIENCE FEDERAL SITES OFFICES**

#### **SCIENCE NATIONAL LABS**

Ames Site Office
Argonne Site Office
Berkeley Site Office
Brookhaven Site Office
Consolidated Service Center
Fermi Site Office
ORNL Site Office
Pacific Northwest Site Office
Princeton Site Office
SLAC Site Office
Thomas Jefferson Site Office

Ames National Lab
Argonne National Lab
Brookhaven National Lab
Fermi National Accelerator Lab
Lawrence Berkeley National Lab
Oak Ridge National Lab
Pacific Northwest National Lab
Princeton Plasma Physics Lab
SLAC National Accelerator Lab
Thomas Jefferson Accelerator Lab

The Office of Scientific and Technical Information (Federal) and the Oak Ridge Associated Universities/Oak Ridge Institute of Science and Education (Contractor) are also members of the SC RM Community along with 19 Headquarters Organizations.

### Office of Science Organization Locations





#### Oak Ridge Operations Office and the Records Management Library

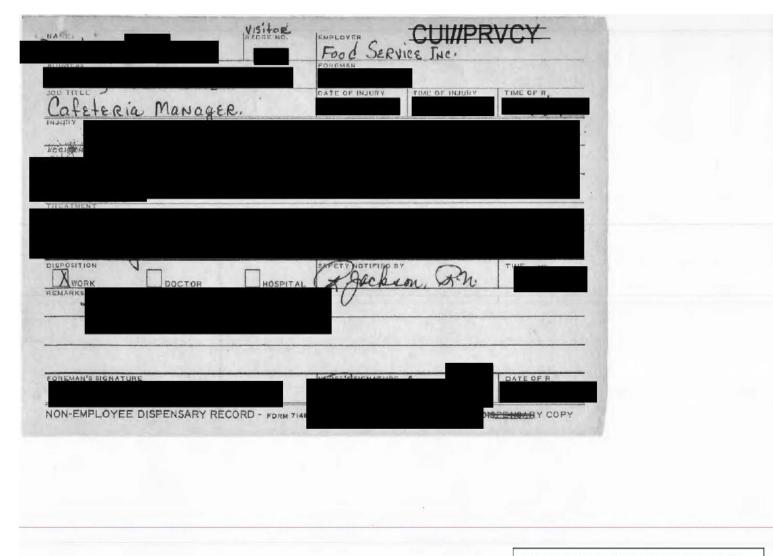
During AEC and through ERDA and DOE, the <u>Records Management Library</u> began to grow into one of the largest DOE Records Center within the Department.

Over the course of 2009 to 2019, OROO became the Integrated Support Center in 2009, then the Consolidated Service Center in 2019, when it was combined with the Chicago Office under the Office of Science.

In 2020, all Chicago Office records were transferred to RML, expanding its bandwidth and research capabilities even more for DOE and SC.

In 2023, RML processed over 50% of all the DOE EEOICPA claims.

The types of records RML has will amaze you.....so our journey through them begins.

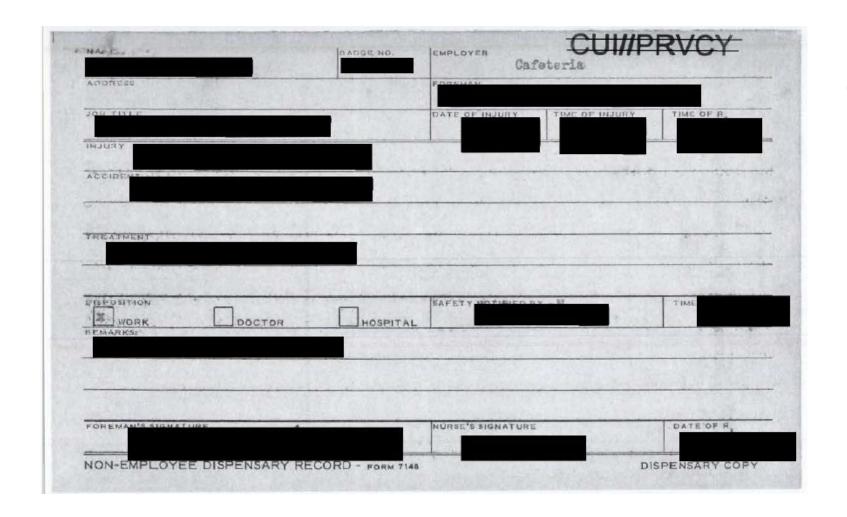


#### **Middle Sex Company**

Accident Cards 1959-1966

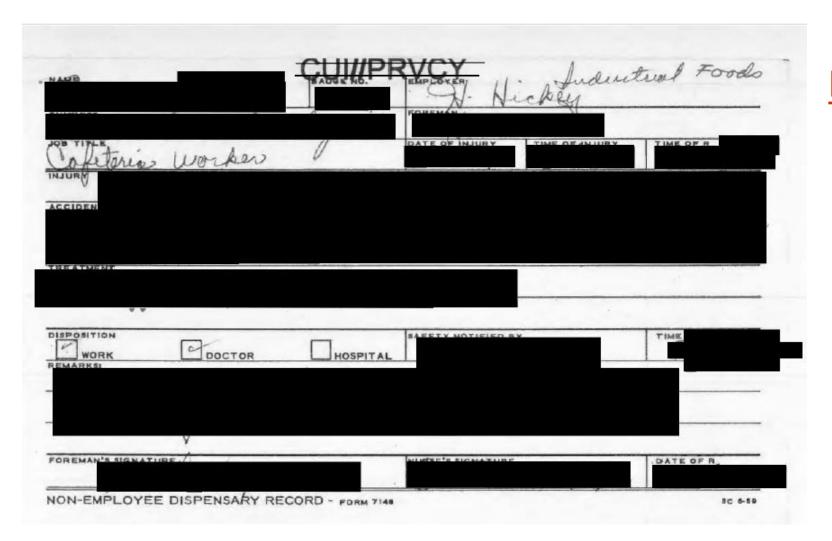
CUI redacted and determined to be UNCLASSIFIED.

Reviewing Official: <u>Justin Hill, Classification Analyst, DOE CSC</u>
Date:5/1/2024



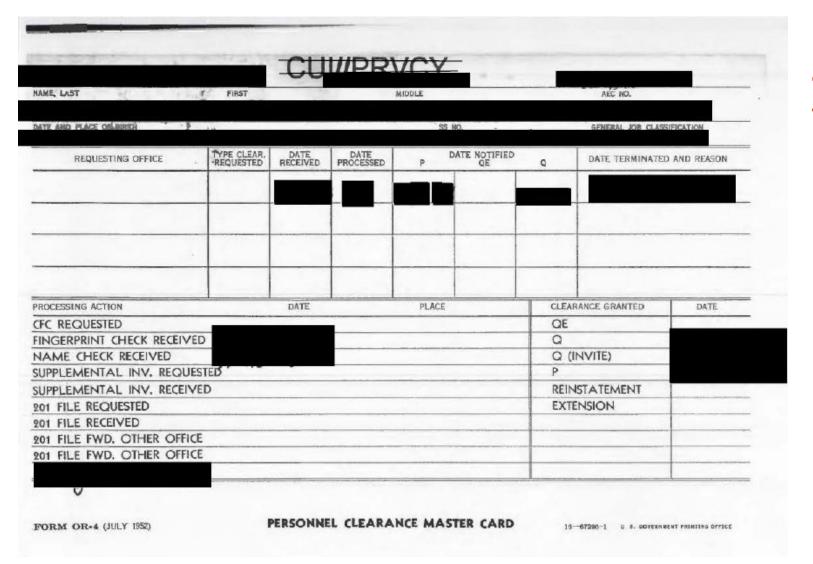
#### **Middle Sex Company**

Accident Cards 1959-1966

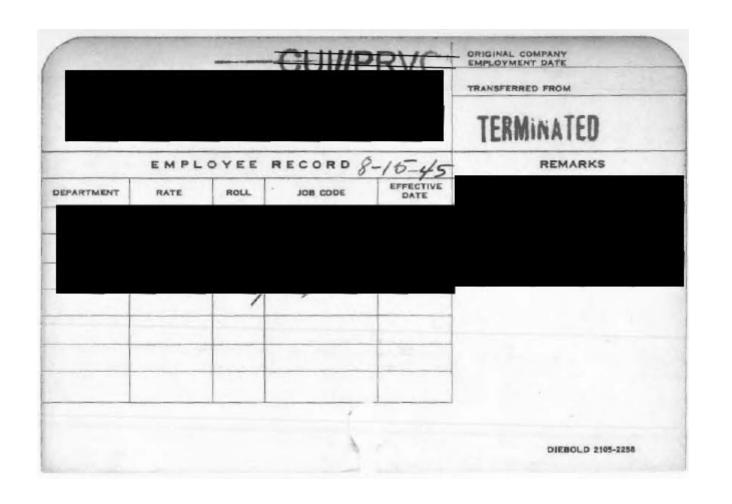


#### **Middle Sex Company**

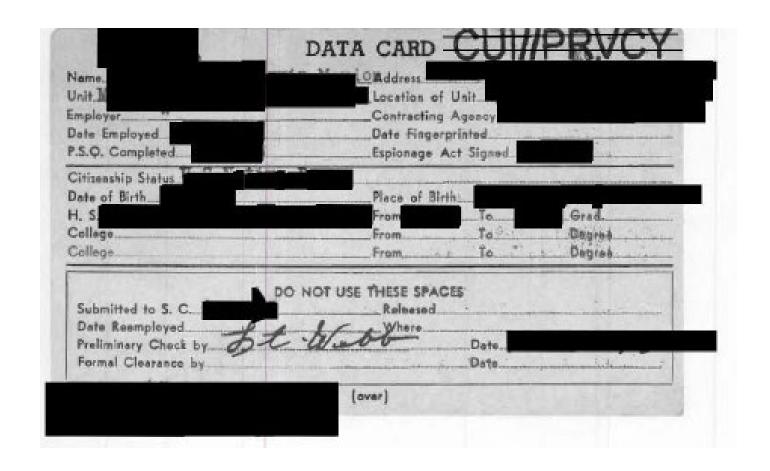
Accident Cards 1959-1966



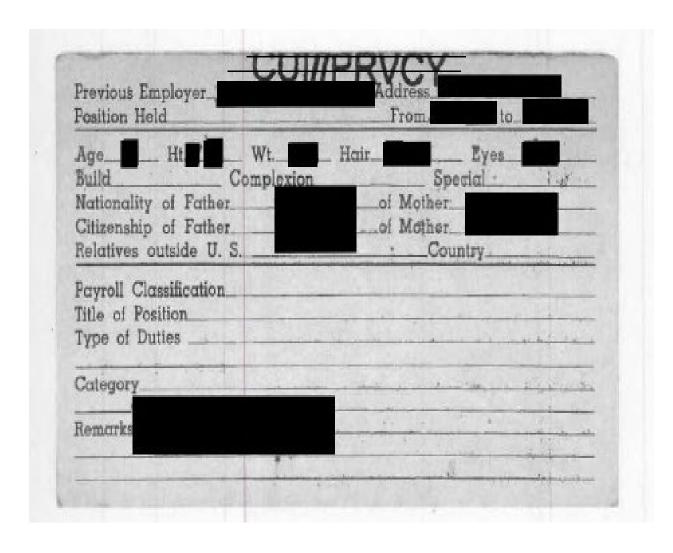
### Personnel Clearance Cards



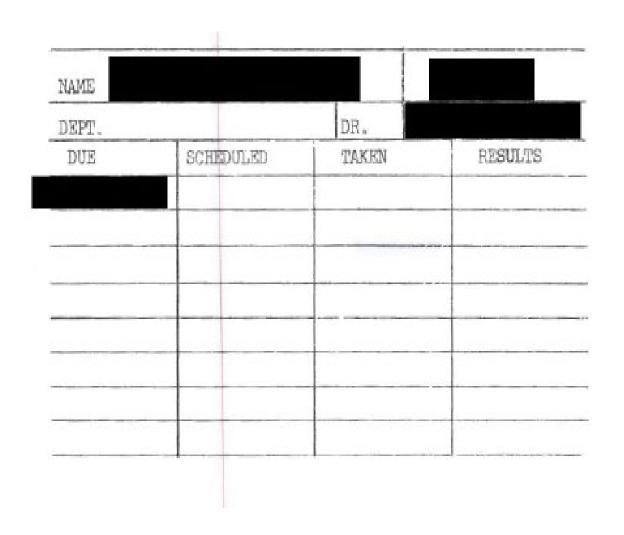
**Employee Termination Cards** 



**Employee Data Cards** 



**Employee Data Cards** 

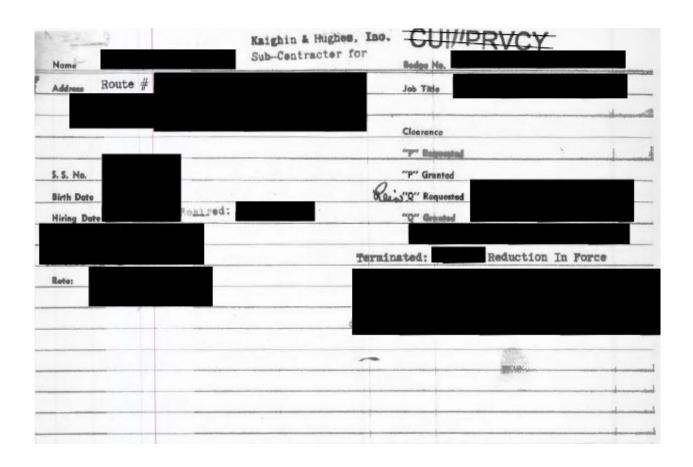


**Blood Count Cards** 

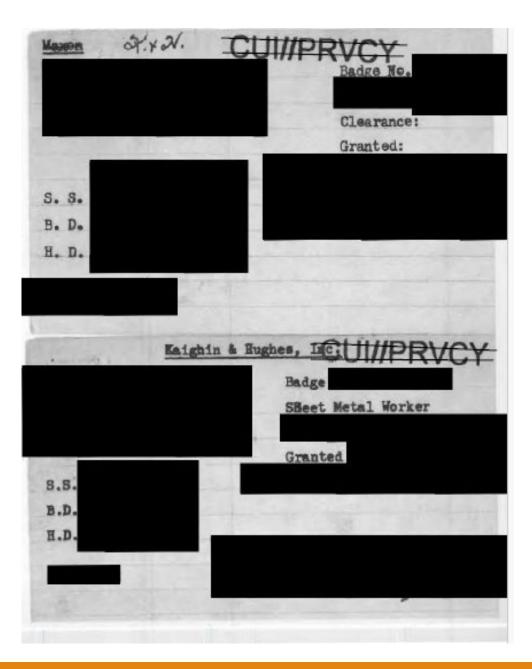


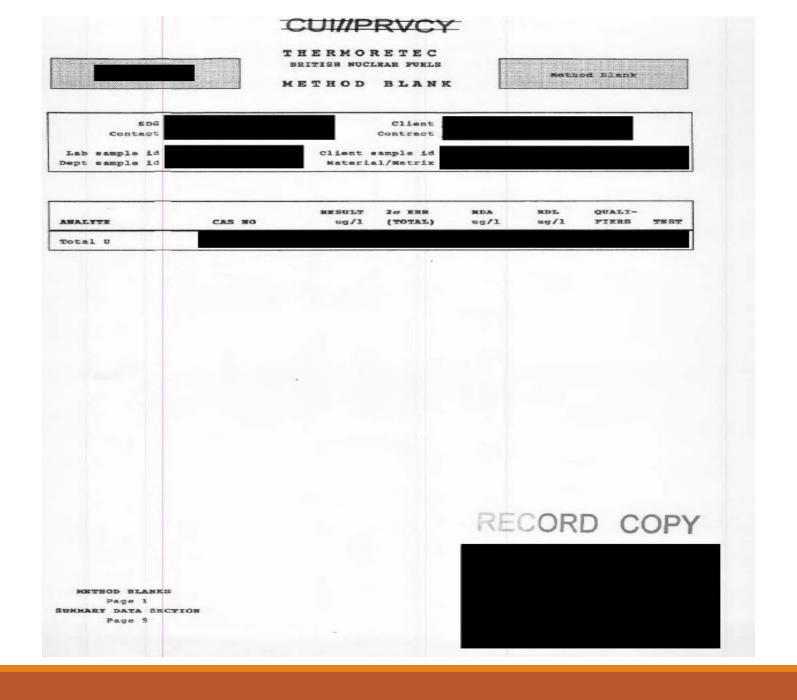
#### **Contractor Cards**

Workman's
Compensation Case
Cards 1944-1948



Various Contractor Cards
Workman's Compensation Cases
Record Cards 1944-1948

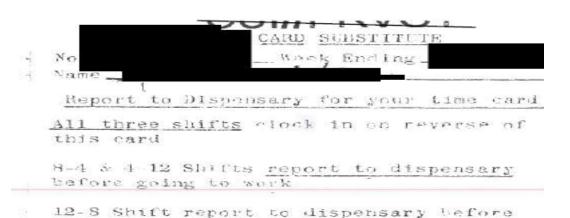




#### **Thermoretec**

#### British Nuclear Fuel Laboratory

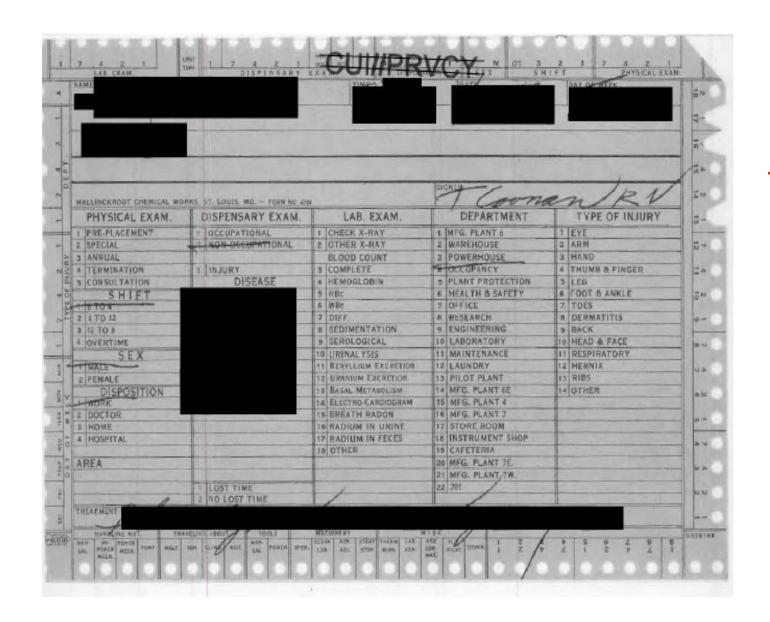
**Lab Reports** 





### Mallinckrodt Chemical Works

## Report to Dispensary for Exams Arriving and Leaving Work Time Cards



### Mallinckrodt Chemical Works

**Dispensary Exam Card** 

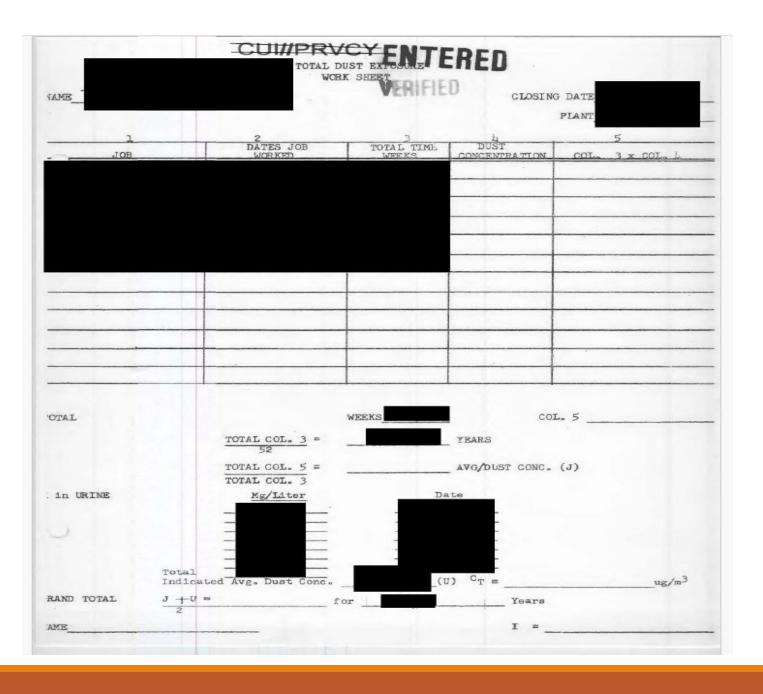
#### CUI//PRVCY

#### FILM BADGE DATA SUMMARY

DE	RIOD	GAMMA RAD	BETA REP	G + B RAD	COMMENTS
	thru 12/52	GARINA RAD	DEIA BET	U T B RAD	COMMENTS
	CY 1953				
12	1954	i			
	1955	i			
	1956				
	1957	i			
(3)	1958	i			
	1959	Ì			
	1960	ĺ			
	1961				
	1962				CLEANING TO BE A SECOND OF THE
	1963	1			
	1964	l			
	1965				
	1966	!			
TOTALS	3				
For		years			
Averag	ge per year		-		
			LIFETIME	DOSE STATUS	
On	,	N-18 =	yrs. X	5 =	Rad. Gamma for AEC Guide
Percer	at of Guide	T	otal Gamma ÷	Gui	de Gamma X 100 =
(2) Fo pe (3) Du	or period pr eriod summar ering start-	ior to 1/53, dized annually	on individua pring in 195	1 card, or, on	Rochester. Le file card. Subsequent IBM printouts. Ome persons were not badged

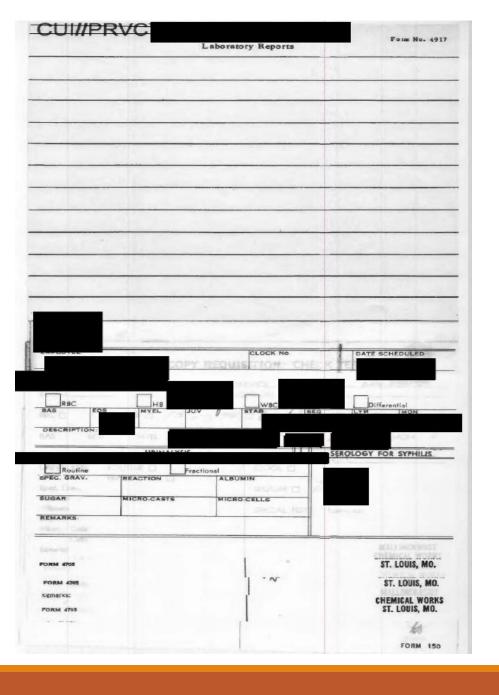
### Mallinckrodt Chemical Works

**Film Badge Data Summary** 



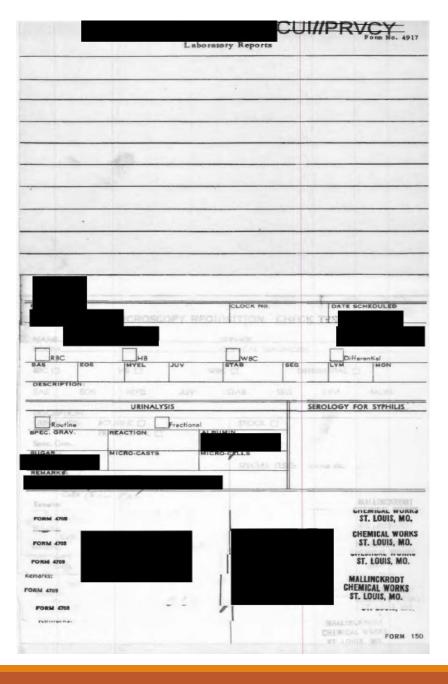
### Mallinckrodt Chemical Works

### **Total Dust Exposure Work Sheets**



### Mallinckrodt Chemical Works

**Laboratory Reports** 



#### **K-25 – The World's Largest Building**

K-25 was built in 1944 during the Manhattan Project as a Gaseous Diffusion Plant to enrich uranium. The four-story K-25 gaseous diffusion plant was the world's largest building, comprising over 5,264,000 square feet of floor space and a volume of 97,500,000 cubic feet, and was the world's largest building under one roof. The milelong, U-shaped building displaced the Pentagon as the world's largest building when it was completed in the 1940s. It covered 44 acres and employed over 12,000 people.

The K-25/UCOR Records Center, while once having oversight from the Oak Ridge Operations Office, it is now part of DOE Office of Environmental Management, holds the following types of records to respond to EEOICPA claims, as well, and is co-located with the CSC Records Management Library.

- Medical Records (Some AEC and Fercleve Personnel)
- X-rays
- Personnel Records (of actual site staff)
- Payroll Records (of actual site staff)
- Accident/Injury Records
- We would not have RadCon data in that time frame

## K-25/UCOR Records Center

### Any Questions?

I am here to answer any questions you have and help you at any time.

Takę care, Jenni

#### Jennifer (Jenni) G. Hamilton, NC-RM Senior Program Analyst

Office of Science Consolidated Service Center, SC Lead Records

Management Field Official

200 Administration Road
Oak Ridge, Tennessee 37831

Office: (865) 576-0681

Email: Jennifer.Hamilton@science.doe.gov

# Records Management Library Claims Search List Attachment 1

## Records Management Library Claims Search List

#### **Attachment 1**

NAME:	SS#	DOB:
Computer Under Images		
98-217 Film Badges Multiple Locations Boxes 1 & 2	98-225 NYOO Film Badge Reports (1952-1954)	222 Multiple Contractors Film Badge Reports
98-224 TEC Injury/Illness Cases (6/44- 11/44) Boxes 5,6,8 (Visually Search Forms)	National Lead Cards	Simmonds Saw and Steel Cards
185 Accident Cards	06-013 BNFL Box 31	06-013 BNFL Box 32
Middlesex Cards		<del></del>
Front Area		
Mallinckrodt Chemical Co. Urine Sample Cards	Mallinckrodt Chemical Co Breath Sample Cards	Maxon Subcontractor Employee Active Cards
Vitro Manufacturing Cards	Hershaw Chemical Co Cards	Linde Air Cards
12-121-Accident Cards (Gi-Z only)	ORAU Cabinets 1-104 and Search Boxes 1-30 located on Row A	Mallinckrodt Chemical Co. Blood Count Cards
Mallinckrodt Chemical Co Physical Examinations	Multiple Contractors Terminated Cards	Lindsay Chemical Co. Cards
University of California Co. Cards	Middlesex Co. Cards	Rust Big Sheet
Kellex Company Cards	TEC Personnel Index Cards	New York Operations Cards
TEC Data Cards	* *************************************	*1
Row C	,	
13-100 WSI Psychological Records	98-217 Film Badges Multiple Locations (1947-1952) Box 3 (Bx's 1 &2 under Computer Images)	14-021 WSI Personnel and Medical Records
Row D	az under computer imagesy	
98-224 TEC Blood, Urine, Vision Test Boxes 1,3 and 5-17	18-004 NSPS Personnel Medical Files & Personnel Psychological Records	Indexing All Print

## Records Management Library Claims Search List

#### **Attachment 1**

Row E	•	
98-220 Houdaille & Hershey First Aid	18-094 Isotek Medical Files 2008- 2018	22-041 Isotek Medical Records
1161 Rochester Unv, Unv of Cal., Iowa State, Mansanto Chem, Medal Hydrides Inc, Mallinckrodt	23-093 Radiation Exposure	Master List
Row G		_
97-241 Clearance Cards		
Row H		
97-242 TEC Personnel File		
97-243 TEC Medical File		
Row I		
01-012 Mallinckrodt Chem Co Personnel Salary Files	01-013 Mallinckrodt Chem Co PSQ's	01-014 Mallinckrodt Chem Co Personnel Wage Files
01-015 Mallinckrodt Chem Co Terminated Clearance Cards	06-013 BNFL Co Files	98-229 Linde Air X-RAYs
98-223 Houdaille & Hershey Medical/Accident Files	98-218 Lab Exams	98-226 Rust Engineering Files
98-215 Linde Ceramic Files	12-131 Rochester Unv Files	20-021 X-Rays DOE Federal Employees
98-216 Mancuso Study Carbide Boxes 6 & 12 only	12-184 AEC Security Box	20-006 X-Rays DOE Federal Employees
Row 1		Row 7
Shipment 03-267 Health Records		797 ORAU Boxes
Row 39		<u> </u>
01-040 (1945-1963) Contractor Correspon	ndence Records	
Other Systems		
DATS	RHTG	Other SF-135

### Records Management Library Search Procedures Attachment 2

#### **Attachment 2**

#### SEARCH PROCEDURES FOR RECORDS REQUESTS TO THE RECORDS MANAGEMENT LIBRARY, BUILDING 1916T-2, OAK RIDGE, TENNESSEE

#### Request Information.

All formal requests for information are coordinated through the local Federal Records Manager to the Records Management Library (RML). Requests include Freedom of Information Act (FOIA), Privacy Act, and Request for Information from stakeholders, Discovery Requests, Court Order/Subpoenas and Energy Employment Occupational Illness Compensation Program Act (EEOICPA). Requests may be received from the Chief Counsel, FOIA/Public Affairs (PA) Officer, or other Department of Energy (DOE) and Federal Offices.

#### II Search Process

Upon receipt of the request, RML personnel perform the following actions:

#### A. General Information:

- Requests for records are received at RML and logged by RML staff personnel who then complete the appropriate request forms. See examples attached.
- 2. Requests are processed by searching files based on keywords provided by the requestor. Record searches are performed in collections and databases listed on records requests form. Local searches take place at the RML. Additional searches are performed when appropriate on records that have been transferred to offsite storage. The date range of the collections is from the mid 1940's to the present. However, not all collections span that time frame.
- 3. Refile all retrieved information in the original locations.
- 4. Copies of All documents found in response to the FOIA/EEOICPA searches are sent to the Classification Office for review to determine if any classified or sensitive information is present which may require reduction. Any documents that have been determined to be classified will be processed in accordance with existing procedures. After the documents have been reviewed by the Classification Office, they are returned to RML for records processing.

#### B. FOIA Request/Privacy Act/Discovery

- When FOIA request searches are completed by RML, the staff scans copies and sends via Encrypted Entrusted email to the FOIA officer. RML will retain a complete electronic image of the package including the requests, forms, memo, and all attachments.
- 2. The following notebooks are listed in alphabetical order and should be searched for information pertaining to FOIA and Discovery requests:
  - a. Retirement Contracts Notebook consists of an alphabetical listing of contractors who have done business with DOE. The date range of the collection is from the mid 1940's to the mid 1980's. Records referring to retirement contracts should be cross-referenced by company names and projects to ensure all information is obtained. The Records Disposition Control Data Cards should be searched for this information which consist of contract information that includes contract name, number, office, retiring retention data, disposal authority and any information documented regarding the contract; the cards are filed by numeric or contract number.

#### **Attachment 2**

- **a.** RHA Historical Information Reference Book consists of bibliographic and related materials regarding *The Manhattan Project and the History of the Atomic Energy Commission*, which was compiled by Roger Anders, DOE-HQ and Alice L. Buck. The documentation provides historical information for some of the documents retained in the Records Management Library.
- **b.** Roger Anders (A HQ employee who created the finding aid) HQ Finding Aid, consists of five finding aids packages of inactive ORO records, which are listed by section, series, and shipment numbers. The date range of the collection is from the mid 1940's to the late 1970's.

#### B. EEOICPA Request

1. When EEOICPA search requests are completed by RML, they are forwarded to the EEOICPA group. RML also keeps a complete electronic image of these files for future reference.

**Note:** RML may receive requests that could be duplicates or like requests already completed. RML pulls the EEOICPA/FOIA Category Shipments to check names, social security numbers, birthdates etc. to determine if any material has already been pulled prior to this request. Previous FOIA Paperwork is also checked for information.

#### C. <u>Databases at RML</u>

- 1. Document Management System (DM)/Share Point for SF-135 records retirement forms. If information is identified in this database, pull the SF-135's (retirement form) and retrieve the information that is responsive to the request.
- 2. Document Accountability Tracking System (DATS) database is used to track all secret and some unclassified documents that are housed in ORO. It tracks documents in/out that are transferred through the facility from Control Point to Control Point. (DOE Organizations)
- 3. Records Holding Task Group (RHTG) classified database.
- 4. Excel is used for documents that have been created and maintained by RML. The system is commercial and locally produced and contains finding aids that have been compiled historically to assist in records searches.

Note: If responsive documents are identified in the RHTG database, print history, and send the requested documents to the Classification Review office located in the FOB for review. Upon completion of a classification review, the documents are sent back to RML, marked appropriately or sanitized and the RML forwards the appropriate number of copies to the FOIA Officer. The FOIA Officer reviews the listing prior to pulling the documents to ensure that only responsive documents are pulled. The request is now closed unless the RML is notified by the FOIA office that the case needs to be reopened.

#### **Attachment 2**

#### **B.** Collections

#### Oak Ridge Operations Office Records Holding Task Group (RHTG)

Series Title: Records Holding Task Group (RHTG) Files

Inclusive Dates: 1942 – 1980

Arrangements: Sequential by assigned documents number

Volume: 355 cubic feet (321 cubic feet classified)

(34 cubic feet unclassified)

Description: The series consists primarily of classified documents removed from other files. This is an artificial

collection created for classified document accountability purposes. The documents were produced by many parents Oak Ridge Offices. The files cover a variety of subjects. The file contents were assembled with classified documents removed from Oak Ridge records collections, some of which are now in the custody of the National Archives. An item index, which is itself classified, has been

prepared as a listing of the documents in the collection.

Restrictions: This series contains classified information

Locations of Records: Oak Ridge Operations Office

Records Management Library,

230 Warehouse Road Building 1916T-2,

Oak Ridge, Tennessee 37830

#### **Attachment 2**

#### Oak Ridge Operations Office Request for Information for FOIA/EEOICPA/Discovery

Series Title: Contracts, Contractors, Personnel Cards, Medical Cards, and Databases

Inclusive Dates: 1942 – 1980 (all files consist of these date ranges)

Arrangements: Files are in alphabetical order by last name, first name, social security numbers, and document number

Volume: 25 Cabinets

455 Boxes

46 File Drawers

Description: The series consists of the following:

Oak Ridge Associated Universities (ORAU) cabinets consists of Medical Reports, Radiological Report, Industrial Hygiene, Dust Reports, Doctor's Notes, Cardiogram Reports, Radiation Counts, Dosimeter, Time cards, Urinalysis Reports, Exposure Reports, Breathe Radon Analysis, Occupational Summary, Physical Exam, Case Records, Dispensary Exam Records, Site Screener, Audio Gram, Judgment Letters, Workman's Compensation Letters, Surgeon Reports, Medical Expense, Safety Investigations, Loss Time Records, Progress Notes, Accident Reports, Optical Prescriptions, Clinical Microscopic Test, and Film Badge Data.

**Linde Air cards** consist of Film Badge Results, Radon Information, Hire Dates, Termination Dates, Job Titles, Shift Information, Social Numbers, and Birth Dates.

**Lindsay Chemical Co. cards** consist of Film Badge Results, Radon Information, Hire Dates, Termination Dates, Job Titles, Shift Information, Social Numbers, and Birth Dates.

**Vitro Manufacturing Co. cards** consist of Film Badge Results, Radon Information, Hire Dates, Termination Dates, Job Titles, Shift Information, Social Numbers, and Birth Dates.

Simond Saw & Steel Co. cards consist of Film Badge Results, Radon Information, Hire Dates, Termination Dates, Job Titles, Shift Information, Social Numbers, and Birth Dates.

**Middlesex Co. cards** consist of Film Badge Results, Radon Information, Hire Dates, Termination Dates, Job Titles, Shift Information, Social Numbers, and Birth Dates.

**University of California cards** consist of Film Badge Results, Radon Information, Hire Dates, Termination Dates, Job Titles, Shift Information, Social Numbers, and Birth Dates.

National Lead of Ohio cards consist of Shifts Worked, Title, And Sites Worked.

**HarShaw Chemical Co. cards** consist of Social Number, Start Date, Date of Birth, Race, Urine Information, and Company Employer.

**Linde Ceramic's shipment 98-215** consists of Medical Folders, Clinical Chronology Files, Physical Examinations, Laboratory Examinations, Termination Date, and Employee Information.

**Tennessee Eastman Co. (TEC) Personnel index cards** consist of Social Numbers, Department Numbers, Pay Rate Information, Job Codes, Effective Employment Dates, Pager Numbers, Termination Dates, and Reason for Termination.

#### **Attachment 2**

Tennessee Eastman Co. (TEC) data cards consist of Employer Information, Termination Dates, Job Titles, Duty Description, and Fingerprint Dates.

**New York Operations cards** consist of Employee Information, Job Site, Job Titles, Access Information, and Site Duties.

Kellex Co. cards consist of Employee Information, Job Site Duties, and Clearance Level.

**Linde Air Products X-Rays shipment 98-229** consists of employee film X–Rays.

Tennessee Eastman Co. (TEC) shipment 97-241 consists of Personnel Security Cards, Clearance Granted Information, Subcontract Relationships, Start Dates and Termination Date.

Tennessee Eastman Co. (TEC) shipment 97-242 consists of Employee Records, Occupational History, Employee Status Change, Pay Rate Change, and Termination Date.

Tennessee Eastman Co. (TEC) shipment 97-243 consists of Physical Examination, History Information, Treatment Reports, Diagnosis, Medical Termination, Laboratory Examinations, Clinical Records, Serological Test, and Doctor Notes.

Mallinckrodt Chemical Co. terminated clearances. shipment 01-015 consists of Employee Information, Clearance Type, Received Date, Job Classification, Terminated Date, and Employer Requesting Clearance information.

Mallinckrodt Chemical Co. personnel wage folders – (Destrehan Lab & Weldon Springs Lab shipment 01-014) consist of Change of Status, Termination Clearance Sheet, Salary and Job Title Change, Employee Personnel Records, Termination Evaluation, Late and Absentee Records, Personnel Security Questionnaire, Address Change, Personnel, Requisition, Transfers, Employee Record Card, Cashier Record Cards, and Application Records.

Mallinckrodt Chemical Co. personnel salary folders - (Destrehan Lab & Weldon Springs Lab shipment 01-012) consist of Application for Employment, actual photos inserted in each folder, Salary, Job titles, Security Termination, Change of Status, Trip Reports, Personnel Security Questionnaires, Security Acknowledgement, Expense Report, Security Infraction, Progress Reports, Accounts Payable Information, Salary Upgrades, Development Reviews, Tuition Aid Record, Data Report for Spouses, Foreign Travel Report, Employment Transfer Requests, MCW Employee Relief Association Forms, Late and Absentee Records, and Overtime Status Records.

Mallinckrodt Chemical Co. urine sample cards consist of Employee Information, Urine Results, Date Processed, Clock Number, and Department Number.

Mallinckrodt Chemical Co. blood count cards consist of Employee Information, Doctors Name, Clock Number, Scheduled Times, and Test results.

Mallinckrodt Chemical Co. Breathe sample cards consist of Employee Information, Clock Number, Doctors Notes, and test results.

Mallinckrodt Chemical Co. Physical Examinations consist of Employee Information, Clock Number, Results, and Dates Processed.

**Terminated cards contain a variety of contractors (see attached contractor list)** which consist of Badge Numbers, Job Titles, Clearance Information, Salary Information, Termination Dates, Start Dates, and Employers Name.

#### **Attachment 2**

Maxon Construction Co./Maxon Subcontractor Employees active cards consist of Employee Information, Hire Dates, Social Security Numbers, Company Employed, Clearance Level, Dates Clearance Granted and Termination Dates.

**East Tennessee Technology Park (ETTP) formerly K-25 Gaseous Diffusion Plant cards** consist of Employer Information, Termination Dates, Job Titles, and Duty Descriptions.

**RUST Engineering shipment 98-226** consists of Work History, Abstract Form, Hire Date Information, and Termination Date.

**British Nuclear Fuel, LTD (BNFL)** consists of Certificate of Analysis, Occupational Exposure Records; Request for Reports of Radiation Activity, Sensitive Personal Information is the social security numbers and badge information, and Dose Reports.

**Isotek Medical Records Shipment 22-041** consist of individual healthcare files dates 2007-2022. Medical history, occupational injury reports, physical examinations, exposure to toxic substances, treatment received.

**Isotek Medical Records Shipment 18-094** consist of individual healthcare files dates 2008-2018 Medical history, occupational injury reports, physical examinations, exposure to toxic substances, treatment received.

**National Strategic Protective Services (NSPS) Shipment 18-004** consist of former employees terminated from July 28, 2013, to October 20, 2017.

**Human Resource Employee Health Station DOE Shipment 20-006.** Consist of U.S. Department of Energy Employee Radiographs dated up to 2018

**DOE Retirement Form SF-135's on Document Management (DM)/SharePoint-** The Official DOE retirement form for all records retired to RML. These forms and shipment information are entered on the DM/SharePoint Database by Records Management Library. This form is completed by the organization retiring the files. RML then inputs the information into database for future access for RML usage.

**Document Accountability Tracking System (DATS)** database- is used to track all secret and some unclassified documents that are housed in ORO. It tracks documents in/out that are transferred through the facility from Control Point to Control Point.

**Records Holding Task Group Database (RHTG)** Classified Database that stores classified information retired to RML.

Restrictions:

This series contains classified information, and restrictions are in place for access to this information.

Locations of Records:

Oak Ridge Operations Office Records Management Library 230 Warehouse Road Building 1916T-2 Oak Ridge, Tennessee 37830

#### **Attachment 2**

**182 Companies/Contractors** 

#### IV: RECORDS MANAGEMENT LIBRARY LISTING OF COMPANIES/CONTRACTORS

**AERO PROJECTS, INC.** ALBANY RESEARCH CENTER **ALIQUIPPA FORGE** ALLEGHENY-LAND AND MINERAL COMPANY **ALLIED CHEMICAL & DYE CORPORATION** ALLIED CHEMICAL CORPORATION PLANT ALLIS-CHALMERS COMPANY ALUMNM COMPANY OF AMERICA (ALCOA) NEW KENSINGTON PA AMCHITKA ISLAND NUCLEAR EXPLOSION SITE AMERICAN BEARING CORPORATION AMERICAN CHAIN AND CABLE COMPANY AMERICAN MACHINE AND FOUNDRY AMES INTERNATIONAL, INC. ANACONDA COMPANY ARGONNE NATIONAL LABORATORY-EAST ARGONNE NATIONAL LABORATORY-WEST ARMCO-RUSTLESS IRON & STEEL ARMOUR RESEARCH FOUNDATION ASHLAND OIL AND REFINING COMPANY BABCOCK & WILCOX COMPANY BAKER-PERKINS COMPANY BATTELLE COLUMBUS LABORATORUES BATTELLE MEMMORIAL INSTITUTE BENDIX AVIATION CORPORATION BERYLLIUM CORPORATION OF AMERICA - HALETON PA BERYLLIUM CORPORATION OF AMERICA - READING PA BERYLLIUM METALS AND CHEMICAL CORPORATION BERYLLIUM PRODUCTION PLANT – OHIO BETHLEHEM STEEL COMPANY BIRDSBORO STEEL & FOUNDRY BLISS EXTERMINATOR COMPANY **BLOCKSON CHEMICAL COMPANY** BONUS REACTOR PLANT BRIDGEPORT BRASS COMPANY BRIDGEPORT BRASS COMPANY HAVENS LAB BRITISH NUCLEAR FUEL LABORATORY (BNFL) **BROOKHAVEN NATIONAL LABORATORY** BRUSH BERYLLIUM COMPANY CLEVELAND OH BRUSH BERYLLIUM COMPANY DETROIT MI BRUSH BERYLLIUM COMPANY ELMORE OH BRUSH BERYLLIUM COMPANY LORAIN OH **BURNS & ROE, INC.** 

#### **Attachment 2**

C H SCHNOOR CALIFORNIA RESEARCH CORPORATION **CARPENTER STEEL COMPANY** CHAPMAN VALVE MANUFACTURING COMPANY CINCINNATI MILLING MACHINE COMPANY **CLARKSVILLE FACILITY** COLONIAL IRON WORKERS COMPANY NATIONAL LEAD COMPANY OF OHIO (NLO INC.) COMBUSTION ENGINEERING COMPANY INC. CONNECTICUT AIRCRAFT NUCLEAR ENGINE LAB, CANEL COORS PORCELAIN COMPANY COPPERWELD STEEL CRANE COMPANY CRUCIBLE STEEL COMPANY DANA HEAVY WATER PLANT DOW CHEMICAL COMPANY **DU PONT, DE NEMOURS & COMPANY** EDGERTON GERMESHAUSEN & GRIER, INC. **ELECTRO METALLURGICAL** ENERGY TECH ENGR'G CTR/ATOMICS INTL/ROCKETDYNE EXTRUSION PLANT, REACTIVE METALS INC. FANSTEEL METALLURGICAL CORPORATION FEED MATERIALS CENTER CORPORATION (FMC) FENN MACHINERY COMPANY FENWAL, INC. FERMI NATIONAL ACCELERATOR LABORATORY GENERAL ATOMICS COMPANY GENERAL ELECTRIC COMPANY GENERAL ELECTRIC PLANT GENERAL ELECTRIC VALLECITOS **GERITY-MICHIGAN CORPORATION GRANITE CITY STEEL** HALLAM SODIUM GRAPHITE REACTOR HANFORD SITE HARSHAW CHEMICAL COMPANY HEALD MACHINE COMPANY HEPPENSTALL COMPANY HERRING-HALL MARVIN SAFE COMPANY HOOKER ELECTROCHEMICAL COMPANY HORIZONS, INC. **HUNTINGTON PILOT PLANT** 

#### **Attachment 2**

IDAHO NATIONAL ENGINEERING LABORATORY INTERNATIONAL NICKEL COMPANY BAYONNE LABORATORIES ISOTECK IOWA ORDNANCE PLANT JESSOP STEEL COMPANY JOSLYN MANUFACTURING AND SUPPLY COMPANY KANSAS CITY PLANT KELLEX CORPORATION KERR-MCGEE OIL INDUSTRIES INC. LA POINTE MACHINE AND TOOL COMPANY LADISH COMPANY LAKE ONTARIO ORDNANCE WORKS COMPANY LANDIS MACHINE TOOL COMPANY LAWRENCE BERKELEY NATIONAL LABORATORY LAWRENCE LIVERMORE NATIONAL LABORATORY LINDE AIR PRODUCTS COMPANY LINDE CERAMICS PLANT LOS ALAMOS MEDICAL CENTER LOS ALAMOS NATIONAL LABORATORY MADISON SITE (SPECULITE) MALLINCKRODT CHEMICAL COMPANY DESTREHAN ST. PLANT MASSACHUSETTS INSTITUTE OF TECHNOLOGY MATHIESON CHEMCIAL COMPANY MEDINA & GIL MAINTENANCE COMPANY INC. METALS AND CONTROLS CORPORATION MIDDLESEX SAMPLING PLANT MITTS & MERREL COMPANY MONSANTO CHEMICAL COMPANY MOUND PLANT NATIONAL BERYLLIA NATIONAL BUREAU OF STANDARDS NATIONAL STRATEGIC PROTECTIVE SERVICES (NSPS) NAVAL RESEARCH LABORATORY NETGAIN **NEVADA TEST SITE** NEW BRUNSWICK LABORATORY NEW ENGLAND LIME COMPANY NORTON COMPANY NUCLEAR MATL & EQUIP CORPORATION (NUMEC) APOLLO, PA **NUCLEAR MATL & EQUIP CORPORATION (NUMEC) PARKS TOWNSHIP** NUCLEAR METALS, INC.

#### **Attachment 2**

OAK RIDGE GASEOUS DIFFUSION PLANT (K-25) (ETTP) OAK RIDGE HOSPITAL (METHODIST MEDICL CENTER) OAK RIDGE INSTITUTE FOR SCIENCE EDUCATION OAK RIDGE NATIONAL LABORATORY (ORNL) (X-10) **OLIVER CORPORATION** PACIFIC NORTHWEST NATIONAL LABORATORY PACIFIC PROVING GROUND PADUCAH GASEOUS DIFFUSION PLANT PANTEX PLANT PEEK STREET FACILITY 1 PICATINNY ARSENAL PINELLAS PLANT PORTSMOUTH GASEOUS DIFFUSION PLANT (PGDP) PRECISION EXTRUSION COMPANY REED ROLLED THREAD COMPANY ROCKY FLATS PLANT SANDIA LABORATORY, SALTON SEA BASE SANDIA NATIONAL LABORATORIES SANDIA NATIONAL LABS - LIVERMORE SAVANNAH RIVER SITE SCIAKY BROTHERS, INC. SENECA ARMY DEPOT SEPARATIONS PROCESS RESEARCH UNIT (AT KNOLLS LAB) SEYMOUR SPECIALTY WIRE SHATTUCK CHEMICAL SHIPPINGPORT ATOMIC POWER PLANT SIMONDS SAW AND STEEL COMPANY SOUTH ALBUQUERQUE WORKS SPENCER CHEMICAL COMPANY SPENCER CHEMICAL COMPANY JAYHAWKS WORKS STANFORD LINEAR ACCELERATOR CENTER SUPERIOR STEEL COMPANY SYLVANIA CORNING NUCLEAR CORPORATION-HICKSVILLE PLANT TENNESSEE VALLEY AUTHORITY (TVA) TEXAS CITY CHEMICALS, INC. TITANIUM ALLOYS MANUFACTURING TORRINGTON COMPANY U S STEEL COMPANY NATIONAL TUBE DIVISION UNITED NUCLEAR CORPORATION UNIVERSITY OF CALIFORNIA UNIVERSITY OF CHICAGO UNIVERSITY OF ROCHESTER MEDICAL LABORATORY VENTRON CORPORATION VITRO MANUFACTURING **VULCAN TOOL COMPANY** WACKENHUT W. R. GRACE W. E. PRATT MANUFACTURING COMPANY W. R. GRACE AND COMPANY W. R. GRACE COMPANY AGRICULTURAL CHEMICAL DIV. WATERTOWN ARSENAL WELDON SPRING PLANT

#### **Attachment 2**

75 Other Companies

#### Other Companies/Corporations Identified for which We Have Verified Employment:

Morrison's Company
Charles Hobson Company, Inc.
Hickman Brothers Inc.
Eagle Construction Company
Atlantic Industries, Inc.
John Curze Inc.
Tri-State Roofing Company of Tennessee
Goodyear Atomic Corporation and Oil, Chemical and Atomic Workers Internationa
Union
Grinnell Company
Microcard Foundation

**Holston Oxygen Corporation, Inc.** 

John A. Johnson Contracting Company

**EG&G Corporation** 

Albott, Lester & Company

**Paul Chemical Company** 

**British Nuclear Fuel, LTD (BNFL)** 

Pinkerton Security, Inc.

**Colt Industries** 

AirResearch

**Boeing** 

**Continental Production Corporation** 

Roane Anderson, Company

Dames & Moore, Inc.

**Temperature Control Inc.** 

**Rentenbach Engineering Company** 

**Peter Kiewit Son's Company** 

**University of Tennessee** 

**Williams Construction Company** 

Ralph Roger's Company

M.K, Ferguson Company

Eastman Kodak Company

**Hartman Brothers** 

**Hanley Corporation** 

#### **Attachment 2**

Southern Long & Haggerty **JA Jones Construction Company Dykes & Gerhardt Construction Company Edenfield Electric Company** Harlan **Clinton Engineer Works Maxon Construction Company Inc. Rust Engineering Corporation Union Carbide Chemical Company** F.H. McGraw Kaigh & Hughes **Morrison Knudsen Corporation Fairchild Engine & Airplane Corporation Johnson & Johnson Company** White Laboratories **Atomic Energy Commission (AEC) Loest End Electric Ford Bacon and Davis Treco Construction Powell Erection Services Melter's Crane & Erection Service** C. Reed Davis ATI **Bechtel Jacobs Corporation (BJC) Carrier Corporation Martin Marietta Energy Systems (MMES) Tennessee Roofing Fercleve Corporation Manhattan Project Powers Regulator Controls Karl Koch Erecting Service Stewart Mechanical** M.W. Kellog **Tibbetts Construction Ben Burnette Company Midwest Piping Company Reynolds - Newberry Company** V.L. Nicholson **Cleveland Electric GAT Local #575** Pittsburgh Steel **Ralph Rogers Company**