



Department of Energy

Office of Science
Chicago Office
9800 South Cass Avenue
Argonne, Illinois 60439

April 27, 2010

Ms. Mary Jo Moore-Cronin
[REDACTED]

Dear Ms. Moore-Cronin:

SUBJECT: U.S. DEPARTMENT OF ENERGY (DOE) FREEDOM OF INFORMATION ACT (FOIA) REQUEST NO. #CH-2010-01337-F

I am the authorizing official responsible for making the determination required by Section 1004.5(b) of DOE regulations found at 10 CFR Part 1004, implementing the FOIA, 5 U.S.C. 552. This letter is in final response to your request for records originally submitted to Argonne National Laboratory (ANL). Your request has been controlled as a FOIA request and any future communications you may have regarding your request should reference the subject FOIA request number.

In your FOIA request you were seeking "all of Mom's [i.e., Mary A. Moore's] personnel records while she was an employee of Argonne," which includes all personnel radiation exposure records pertaining to your mother.

This response pertains only to those records located at ANL that are government records, i.e., the personnel radiation exposure records. ANL will respond to you directly relative to any other "personnel records" you are requesting, since those personnel records are contractor-owned under Clause I.98 of DOE's Contract number DE-AC02-06CH11357 with UChicago Argonne, LLC (UCA) to operate ANL, and therefore are not subject to FOIA.

Be advised that UCA conducted a search and located the enclosed responsive government records. All enclosed records are being provided in their entirety, and accordingly, this response represents our full release of records responsive to your request.

You are categorized as an "Other" requester, and as such related costs for search and duplication of records would normally be applicable under FOIA. However, because your request is being made to support an Energy Employees Occupational Illness Compensation Program Act (EEOICPA) claim, we are not charging fees for your subject request.



Printed on Recycled Paper

Ms. Mary Jo Moore-Cronin

- 2 -

April 27, 2010

If you have questions regarding this response, please contact me at (630) 252-2041 or via e-mail at miriam.legan@ch.doe.gov.

Sincerely,

A handwritten signature in black ink that reads "Miriam R. Legan". The signature is written in a cursive style with a large, prominent initial "M".

Miriam R. Legan
Freedom of Information Act Officer

Enclosures:
As Stated

EXTERNAL AND INTERNAL DOSIMETRY RECORDS SEARCH REPORT

(for records searches made in response to a request for external and internal personnel exposure data under the Energy Employees Occupational Illness Compensation Program Act)

Employee Name MARY A. MOORE Badge # 30969 NIOSH ID _____

Information Requested Initial Badge #

External Dosimetry

Record Status

Provided

re

97116

Not found in External Dosimetry archives

Internal Dosimetry

Record Status

Provided

CMA

26715

Not found in Internal Dosimetry archives

Diagnostic Dose

Records of this type are not available in the external or internal dosimetry archives.

Incident Investigation

Reports related to external or internal exposure investigations due to workplace incidents.

External Exposure

Reports Status

Provided

re

97116

Not found in External Dosimetry archives

Internal Exposure

Provided

CMA

26715

Not found in Internal Dosimetry archives

Other Monitoring

Analytical results of breathing zone samples (not DAC-hr summary); respirator protection factors.

Records of this type are not available in external or internal dosimetry archives.

Notes:

1. The external dosimetry archives referenced on this form are the following:
 - external dosimetry hard copy records organized by worker payroll number or equivalent identifier and currently located in Bldg 202;
 - external dosimetry data in the Worker Protection System electronic database.
2. The internal dosimetry archives referenced on this form are the following:
 - Whole Body Count file box currently located in Bldg 200;
 - Old Card File currently in Bldg 202;
 - Worker File (Internal hard-copy File Folder currently in Bldg 202);
 - internal dosimetry data in the Worker Protection System electronic database;
 - bioassay sample results from the D-base database OLDDBASE.

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ARGONNE NATIONAL LABORATORY

External Dosimetry Group, Building 202
9700 South Cass Avenue, Argonne, IL 60439-4833

Telephone: 630-252-3355
Fax: 630-252-9536
E-mail: dosimetry@anl.gov

January 14, 2010

TO: Carol Wesolowski Laboratory Records Coordinator
TSD-TIS Division

FROM: Gerald R. Davidson External Dosimetry Supervisor

SUBJECT: Dosimetry Records

You had requested dosimetry records for the following individual, assuming that individual was monitored during his association with Argonne National Laboratory.

Please find the summary of our review of files and the copies of the individual's records found.

Name: Mary A. Moore
Badge No.: 30969
SS #: 348-26-7259
Birth Date: 5/10/1932

If there are any questions pertaining to this information, please contact us at the address listed in the above letterhead.

GRD/vc *pc for*

cc: External Dosimetry File

Carten, Vernetta

From: Wesolowski, Carol F.
Sent: Thursday, December 10, 2009 12:14 PM
To: Davidson, Gerald R.; Carten, Vernetta; Woodring, James L.; Nelson, Cheryl L.
Subject: EEOICPA Moore request

Categories: Important

A DOL claim has been received for the following individual. Please provide radiological dose and industrial hygiene records no later than 2/4/2010.

Mary A. Moore
Badge - 30969
SSN - 7259 (contact me for complete information)
DOB - 1932 (contact me for complete information)
Timeframe - 1981-2002

Carol Wesolowski
Laboratory Records Coordinator
2-7844

348-26-7259
F
5-10-1932

Name: MARY A. Moore Badge: 30969
NO WBC Card File
NO Old Card File
YES Worker File
YES WPS Database Records
YES Dose History Program
YES Dose Records 1970 - 1986
No Dose

Admin.'s Initials & Date WC 1-14-10

Internal Dosimetrist C. Sholman Approval Date 1-14-10

**Data from Argonne National Laboratory
Internal Dosimetry Files**

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All Samples Logged for Mary A Moore Badge 30969 as of 01/14/2010

Sample Number	Type	Sample Date	Received On	Report Sent Date	Dose Addr.	Last Updated
2002-1045	U	11/14/2002	11/18/2002	01/09/2003	Y	11/18/2002

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October 21, 2002

TO: Mary A. Moore OCF
FROM: Luiz Bertelli  CMT-Dosimetry
SUBJECT: Termination Bioassay Sample Request Reminder

Your name appeared on the ANL-E Human Resources Employee Termination Clearance System

Badge: 30969
Termination Date: 11/15/2002

According to the Internal Dosimetry records, you have submitted at least a urine bioassay sample during your employment at ANL-E. An exit bioassay sample is required. Our records indicate that this exit sample has not been received. This sample is needed in order to close your Internal Dosimetry record history. Make certain that this exit sample is submitted to the bioassay laboratory in Building 200 prior to your departure.

If you have any questions please contact me using the information listed in the above letterhead. I thank you for your assistance in advance.

CC: ESH Coordinator
Dosimetry File

To: Mary Moore
 Building: 201-2M21
 Division: OCF

Badge: 30969 T
 Phone: 27026

From: CMT Internal Dosimetry

Subject: Report Of Analytical Results On Your Urine Sample # 2002-1045 collected on 11/14/2002

Analysis Performed	Isotope	Decision Level (DPM/ L)	Min Detectable Concentration (DPM/ L)	Measured Activity (DPM/ L)	Measurement Uncertainty (DPM/ L)	Comments
GAMMA SPECTROMETRY:						
	Be-7	90.000	200.000	< 144.900		
	Co-58	7.900	19.000	< 9.240		
	Co-60	8.700	21.000	< 7.120		
	Cs-134	9.700	23.000	< 12.380		
	Cs-137	9.700	23.000	< 10.760		
	K-40	130.000	410.000	930.000	160.000	
	Mn-54	12.000	27.000	< 9.660		
	Na-22	11.000	27.000	< 9.920		
TOTAL ACTINIDES USING TRU-SPEC:						
	Am-241	0.004	0.028	< 0.010		POSSIBLE INTERFERENCE FROM PU-238
	Cm-242	0.014	0.052	< 0.019		POSSIBLE INTERFERENCE FROM CF-252 OR BI-212
	Cm-244	0.003	0.024	< 0.011		INCLUDES CM-243
	Np-237	0.013	0.048	< 0.015		POSSIBLE INTERFERENCE FROM U-234
	Pu-238	0.004	0.028	< 0.010		POSSIBLE INTERFERENCE FROM AM-241
	Pu-239	0.005	0.030	< 0.008		INCLUDES PU-240
	Pu-242	0.004	0.026	< 0.008		POSSIBLE INTERFERENCE FROM U-234
	Th-228	0.005	0.035	< 0.018		
	Th-230	0.003	0.024	< 0.008		POSSIBLE INTERFERENCE FROM U-234 OR NP-237
	Th-232	0.005	0.028	< 0.012		
	U-234	0.011	0.043	< 0.012		POSSIBLE INTERFERENCE FROM NP-237
	U-235	0.005	0.033	< 0.010		
	U-238	0.009	0.038	< 0.008		
TOTAL BETA BY LIQ. SCINT.:						
	Lowbeta	1300.000	3000.000	< 820.000		LOW ENERGY BETA EMITTERS, TRITIUM ETC.
	Midbeta	520.000	1200.000	< 460.000		MEDIUM ENERGY BETA EMITTERS, C-14,S-35,CA-45 ETC.
	Topbeta	530.000	1200.000	< 440.000		HIGH ENERGY BETA EMITTERS OTHER THAN K-40

- The concentrations are all within normal or expected ranges.
- Although the measured concentrations of some radionuclides listed above exceed internal Dosimetry action levels (See D. on reverse side), no further action is required at this time (see comments below).
- The concentrations of some radionuclides need further study (see comments below).
- Please see the comments below.

Comments:

Evaluator: ATK

12/17/02


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-----KEY----- NAME----- SOC-SEC-- RS BIRTHDTE DIVISION BLDG EXT. -----TITLE----- SUPERVISOR- CCC HIREDTE
30969-MOORE Moore, Mary A. 348-26-7259 3 05/10/32 SSD-PRO 201 7027 Clerk Senior 00029 322 07/16/80

YR-LOCAL-ANAL#	SAMPLE DATE	SAM TYPE	SAMPLE VOL. SIZE UNIT	SAM INC CAT	REL	ANAL. TYPE	ANAL. METH	ANALYSIS DATE	ANAL. SIZE	DPH VOL	ISOT. ID	DIS. PER MIN.	REMARKS-----
81-00320-03377	11/16/81	U	515.00 ML	R	0	ALP		01/21/82	100.00	DL		0.0000E+00	ANALYSIS ON POOL SAMPLE
81-00320-03378	11/16/81	U	515.00 ML	R	0	GAM		01/04/82	100.00	TS		0.0000E+00	

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**Data from Argonne National Laboratory
External Dosimetry Files**

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Argonne National Laboratory Radiation Exposure Report

This report summarizes radiation exposure measured by Argonne National Laboratory from 1/1/1989 through the report run date.
Definitions of parameters in the headings follow the last page of the report.

Badge Div

30969 OCF-PRO

Run Date: 1/14/2010

Moore, Mary A.
404 S. Washington Street
Lockport, IL 60441

Definitions:
 NM: Not Monitored
 ND: Not Detected (monitoring performed but results were below reporting level or, if the line is marked by the "inc" tag, data analysis may be incomplete)
 inc: data analysis incomplete (contact External Dosimetry Group for details)

Monitoring Period		External Dose (rem)				Internal Dose (rem)		Total Dose (rem)		Principal Radio-nuclides
Start	End	(DDE)	(LDE)	(SDE, Skin)	(SDE, ME)	(CEDE)	(CODE)	(TEDE)	(TODE)	
01/01/2002	12/31/2002	NM	NM	NM	NM	ND	ND	ND	ND	
01/01/2003	12/31/2003	NM	NM	NM	NM	NM	NM	NM	NM	
01/01/2004	12/31/2004	NM	NM	NM	NM	NM	NM	NM	NM	
01/01/2005	12/31/2005	NM	NM	NM	NM	NM	NM	NM	NM	
01/01/2006	12/31/2006	NM	NM	NM	NM	NM	NM	NM	NM	
01/01/2007	12/31/2007	NM	NM	NM	NM	NM	NM	NM	NM	
01/01/2008	12/31/2008	NM	NM	NM	NM	NM	NM	NM	NM	
01/01/2009	12/31/2009	NM	NM	NM	NM	NM	NM	NM	NM	
01/01/2010	12/31/2010	NM	NM	NM	NM	NM	NM	NM	NM	

ND

Cumulative TEDE from
1/1/1989

Applicable DOE Occupational Dose Limits

	Annual Limit (rem/year)
TEDE	5
TODE*	50
LDE	15
(SDE, Skin) or (SDE, ME)	50

* Excluding lens of the eye

ARGONNE NATIONAL LABORATORY

CHEMICAL ENGINEERING DIVISION Building 202
9700 SOUTH CASS AVENUE, ARGONNE, ILLINOIS 60439-4833

Telephone: 630-252-3317

Fax: 630-252-9536

E-mail: edolecek@anl.gov

May 14, 2003

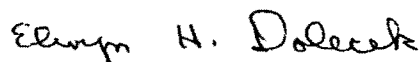
ATTENTION:

Ms. Mary Ann Moore
404 S. Washington Street
Lockport, IL 60441

In response to your request, please find enclosed your ANL radiation exposure history, which was monitored during your association with Argonne National Laboratory.

If there are any questions pertaining to this information, please contact us at the address listed in the above letterhead.

Sincerely,



Elwyn H. Dolecek
Dosimetry and Radioprotection
Chemical Engineering Division

EHD:amb
Enclosure



5/5/2003

INTERNAL RADIATION EXPOSURE RECORD - Mary A. Moore (Badge 30969)

A total of 2 urine sample(s) were obtained from this individual during his employment at Argonne National Laboratory. There is no record of any fecal samples. The sample(s) showed no significant intake of radioactive material. There were no internal doses assessed. The results are listed below.

Bioassay Results:

Sample Number: 81-3377

Date	Type	Size	Analyte	DPM
11/16/1981	U	515	ALP	0.000E+00
11/16/1981	U	515	GAM	0.000E+00

Note: Type: U = Urine, F = Fecal

Size: mL for Type=U, g for Type=F

Analyte: GAM means gamma emitting isotopes measured by gamma spectroscopy.

ALP means alpha emitting isotopes measured by proportional counting.

BET means beta emitting isotopes measured by proportional counting or liquid scintillation counting.

K means potassium-40 measured by proportional counting.

U means uranium measured by proportional counting.



Bioassay Results from Worker Protection System:

Sample Number: 2002-1045

Date	Type (1)	Size (2)	Analyte	DPM (3)	± 1 S.D. (4)
11/14/2002	U	0.65	Am-241	0	0.005
11/14/2002	U	0.65	Be-7	45.66	49.62
11/14/2002	U	0.65	Cm-242	0.007	0.006
11/14/2002	U	0.65	Cm-244	0.003	0.004
11/14/2002	U	0.65	Co-58	-2.11	4.62
11/14/2002	U	0.65	Co-60	-2.75	3.56
11/14/2002	U	0.65	Cs-134	1.62	5.38
11/14/2002	U	0.65	Cs-137	0.72	5.02
11/14/2002	U	0.65	K-40	929	159
11/14/2002	U	0.65	Lowbeta	-350	410
11/14/2002	U	0.65	Midbeta	-70	230
11/14/2002	U	0.65	Mn-54	-1.42	4.83
11/14/2002	U	0.65	Na-22	0	4.96
11/14/2002	U	0.65	Np-237	0.005	0.005
11/14/2002	U	0.65	Pu-238	0	0.005
11/14/2002	U	0.65	Pu-239	-0.001	0.004
11/14/2002	U	0.65	Pu-242	0	0.004
11/14/2002	U	0.65	Th-228	0.006	0.006
11/14/2002	U	0.65	Th-230	0	0.004
11/14/2002	U	0.65	Th-232	0.004	0.004
11/14/2002	U	0.65	Topbeta	-340	220
11/14/2002	U	0.65	U-234	0.004	0.004
11/14/2002	U	0.65	U-235	-0.001	0.005
11/14/2002	U	0.65	U-238	0	0.004

Note: (1) Type: U = Urine, F = Fecal

(2) Size: L for Type=U, g of ash for Type=F

(3) DPM/Litre for Type=U and DPM/sample for Type=F

(4) S.D. = Standard Deviation

30969

Moore

No external

Internal attached

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FINAL EXPOSURE REPORT REQUEST FORM

Name: Mary Ann Moore

Payroll Number: 30969 Division: Procurement

Termination Date: 11/15/02

Forwarding Address: 404 S. Washington St
Lockport, IL 60441

348-26-7259 5/10/32 F

In accordance with the requirements of 10 CFR 835 and the ANL ES&H Manual, if you wore a radiation monitoring badge or submitted a bioassay sample while employed at ANL, a final report summarizing your occupational radiological exposure will be prepared and forwarded to you. The report will include exposure from both external and internal sources.

- I wore an ANL radiation personnel dosimeter (TLD badge or film badge) at least once.
- I submitted a bioassay sample (urine or fecal) or had an *in vivo* Whole Body or Organ Count at least once. (If you have checked this box, but have not yet contacted Internal Dosimetry at extension 2-3915 regarding a termination bioassay, please notify Human Resources that you have not completed that part of the termination procedure.)

Mary Ann Moore 11/15/02
Signature and date

If you checked either box, a report of your radiation exposure history will be sent to your forwarding address.

Human Resources: Send completed form to the CMT ACL Dosimetry Group, Building 200.

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PREVIOUS OCCUPATIONAL RADIATION EXPOSURE

7-11-80

BADGE NO. 30969	NAME (LAST) MOORE, MARY ANN	(FIRST)	(MIDDLE)	(MAIDEN)	NEW <input checked="" type="checkbox"/> REHIRE <input type="checkbox"/>	M <input type="checkbox"/> F <input checked="" type="checkbox"/>
SOCIAL SECURITY NO. 348-26-7259	ANL SERVICE DATE 07-16-80	DIV. OR DEPT. PER	BLDG NO. 10	ROOM NO.	SUPERVISOR R. L. Bottino	<input checked="" type="checkbox"/> Temp. 12 Mos <input type="checkbox"/> Reg.

Have you worked with Radiation Sources, Radiation Producing Equipment or Radioactive Materials? NO YES

SIGNATURE Mary Ann Moore

IF YES list below the organization(s) where such exposure(s) occurred and the radioisotopes or radioactive materials worked with. Include your military unit and service number if a military organization is involved. In addition, sign one of the release statements below for each organization listed. This release is required to obtain your past radiation exposure record.

ORGANIZATION	ADDRESS	RADIOISOTOPES USED	FROM	TO

TO:

You are hereby authorized to furnish to ARGONNE NATIONAL LABORATORY all information developed, while I was connected with your organization, concerning my radiation exposure history. This includes all previous radiation records, external and internal, that you may have.

_____ SOC. SEC. NO. OR MIL. SERV. NO. _____ SIGNATURE _____ DATE _____

TO:

You are hereby authorized to furnish to ARGONNE NATIONAL LABORATORY all information developed, while I was connected with your organization, concerning my radiation exposure history. This includes all previous radiation records, external and internal, that you may have.

_____ SOC. SEC. NO. OR MIL. SERV. NO. _____ SIGNATURE _____ DATE _____

TO:

You are hereby authorized to furnish to ARGONNE NATIONAL LABORATORY all information developed, while I was connected with your organization, concerning my radiation exposure history. This includes all previous radiation records, external and internal, that you may have.

_____ SOC. SEC. NO. OR MIL. SERV. NO. _____ SIGNATURE _____ DATE _____

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08/11/83

OHS#	NAME	SEX	CC	JOB	BIRTH	SERV	ADJ	EFF	FINAL PC
30969	MOORE MARY A	4	32	705		11-16-81			3
30969	MOORE MARY ANN	4	416	701	05-10-32	07-16-80		07-16-80	03-26-81 H
30969	MOORE MARY ANN	4	190	753	05-10-32	07-16-80		03-26-81	07-17-81 H
30969	MOORE MARY ANN	4	416	701	05-10-32	07-16-80		07-17-81	11-16-81 H
30969	MOORE MARY ANN	4	322	753	05-10-32	11-16-81		11-16-81	01-03-83 H
30969	MOORE MARY ANN	4	322	702	05-10-32	11-16-81		01-03-83	04-25-83 H
30969	MOORE MARY ANN	4	322	705	05-10-32	11-16-81		04-25-83	H

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