

Dr. Totter



UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

711514

April 19, 1971

Dr. Robert D. Moseley, Jr.
Chairman
Department of Radiology
University of Chicago
950 East 59th Street
Chicago, Illinois 60637

Dear Dr. Moseley:

I want first to express my appreciation to you for the opportunity of meeting with you and your colleagues on the Advisory Committee for Biology and Medicine last January to discuss the occupational radiation exposure record and retention practices of AEC contractors and licensees.

In reviewing your February 11, 1971 report to Chairman Seaborg regarding the meeting, and in particular your reference to my discussion, I feel that you may have the impression that our interests are limited to film badge exposure records only. In order to clarify any question regarding this point, I am enclosing for your information a compilation of records involved in our study. You will note that we have identified, where applicable, records developed and maintained by our contractors and licensees with those recommended by the American National Standards Institute.

Having compiled and analyzed the radiation records and retention practices of our contractors and licensees with those recommended by ANSI, we are soliciting the assistance of a number of professional societies and

US DOE ARCHIVES	
326 US ATOMIC ENERGY COMMISSION	
Collection	<i>Biology of Medicine</i>
Box	<i>2</i>
Folder	<i>9</i>

BEST COPY AVAILABLE

1071783

03295

Dr. Robert D. Moseley, Jr. - 2 -

April 19, 1971

associations in reviewing the various kinds of records that are being developed and maintained to determine whether all or only some of these records should be maintained and, if so, for what purposes and for how long. It was my hope and my request at the meeting that the ACBM would consider appointing a committee to assist us in our review and I would like to think that this could still be possible. Could I have your views?

With every good wish.

Sincerely yours,

"Signed" Charles F. Eason

Charles F. Eason, Assistant for
Workmen's Compensation and Radiation
Records, Office of the General Manager

Enclosure:

Compilation of Occupational Radiation
Exposure Records

1071784

DOE ARCHIVE

OCCUPATIONAL RADIATION EXPOSURE RECORDS

	<u>ANSI Sec.</u>	<u>Page</u>
I. Records Related to an Individual	4	
A. Personal Radiation Exposure History	4.3	
1. Identification of previous employers		1
2. Temporary work restriction pending evaluation of past exposure		2
3. Request for radiation exposure history from previous employer		3
4. Reply to the above request		4
5. Clearance for radiation zone work		5
6. Summary of previous occupational exposure		6
B. Visitor's and New Employee's Log	4.2	7
C. Record of Exposure Received While Temporarily Assigned to Another Installation	4.4	
D. Special Dosimeters	4.6	
1. Pocket meter report		9
2. Hand exposure meter results		10
E. Investigation of Lost Dosimeter	4.7.2.3	11
F. High Exposure Investigation	4.7.2.3	
1. Request for exposure review		12
2. Result of exposure investigation		13
G. Recorded Data for Unusual Exposures	4.9.3	
1. Incident of skin contamination		14
2. Radiation incident resulting in external and internal exposure		
a. Telephone report		15
b. Radiation occurrence report		16
c. Unusual radiation exposure form		17
d. Results of whole body counter		18
e. Results of bioassay data		19
f. Letter informing employee of his exposure		20
g. Radiation work restriction		21

OCCUPATIONAL RADIATION EXPOSURE RECORDS

	<u>ANSI Sec.</u>	<u>Page</u>
3. Radiation dose estimates from special studies	4.7.3	22
H. Records for the Determination of Dosimetry Requirements	6.1	
1. Employee and Dosimetry changes		23
2. Information on current occupational exposure of employee		24
I. Records of Exposed Film Data and of the Computed Dose	4.7.2.1 4.7.2.2	
1. Film Badge report		25
2. Film Badge permanent record (IBM card)		26
3. Cumulative exposure report		27
4. External radiation exposure record (print out)		28
J. Records of Bioassay Data and its Interpretation	4.8.1 4.8.2	
1. Body fluids analysis record		29
2. Urinalysis permanent record		30-31
3. Non-routine bioassay analysis		32-33
4. Record of bioassay results (print out)		34
K. Whole body Counter Records	4.8.3	
1. Record of whole body counter results		35
2. In vivo data sheet (for computerized processing)		36
3. Electronic Data processing print out sheet		37
4. Results of whole body count following an incident		38
L. Complete Radiation Monitoring History Print out		39
M. Radiation Work Orientation and Training	4.10	40
II. Records Related to the Radiation Status of a Work Area	5	
A. Radiation Safety Analysis and Evaluation Reports	5.2	
1. Radiation safety activities report		41
2. General radiation safety investigation		42

OCCUPATIONAL RADIATION EXPOSURE RECORDS

	<u>ANSI Sec.</u>	<u>Page</u>
3. Nuclear safety inspection		43
4. Safety recommendations		44
5. Radiation safety area monitoring Statistical data		45
B. Radiation Work Permits and Procedures	5.3	
1. Special work permit		46
2. Radiation contamination work permit		47
C. Radiation Survey and Area Monitoring Reports	5.4 5.5	
1. Radiation survey report		48
2. Truck Radiation survey		49
3. Radiation monitoring report of materials in transit		50
D. Airborne Radioactive Material Monitoring Records	5.6	
1. Air sampling data card		51
2. Air sample data forms		52
3. Quarterly report of routine air samples		53
4. Electrodata report of air monitoring filter analysis		54
III. Records Related to the Radiation Protection Program	6.	
A. Radiation Protection Policies and Standards	6.1	55-58
B. Procedure and Method for Interpretation of Exposure Data	6.2	59
C. Calibration and Maintenance Records	6.4	
1. Radiation survey instrument calibration sheet		60
2. Instrument performance record		61
3. Personnel meters calibration chart		62
IV. Termination Records		
A. Record of Discontinuation of dosimeter issue		63
B. Termination Bioassay Report		64
C. Radiation Exposure Summary		65
D. Terminee Exposure Report (print out)		

1071787

DOE ARCGOVES