1ERK) 8005140151



UNITED STATES NUCLEAR REGULATORY COMMISSION WASHINGTON, D. C. 20555

March 4, 1980

Docket No. 50-409

Mr. Frank Linder General Manager Dairyland Power Cooperative 2615 East Avenue South La Crosse, Wisconsin 54601

Dear Mr. Linder:

Health Systems Division, Equifax is under contract (NO. NRC-01-79-010) to the U. S. Nuclear Regulatory Commission (NRC), to study the feasibility of performing epidemiologic studies on the health effects of exposure to low-level ionizing radiation. This study was mandated by the Congress of the United States in Public Law 95-601. Information concerning data relevant to epidemiologic studies will be solicited by one or more individuals from Equifax's project team. Individuals who may be assigned to this task include:

Richard W. Clapp Samuel J. Covino, Jr. Nancy A. Dreyer Frederic H. Fahey Emmy R. Friedlander James R. Latham Jeanne E. Loughlin Richard R. Monson James Watson

Social security numbers for these individuals are included for identification purposes.

Information provided will be used to determine the adequacy of data upon which to make conclusions on feasibility and recommendations to the Congress. Equifax is not itself performing an epidemiologic study. What is needed is the types and detail of the data recorded and information on how they are obtained. (See enclosed forms for the type of information required.) No personal identifiers are required. Questions will be asked to determine the quality of the data. Any information considered proprietary will be maintained confidential by Equifax.

Your cooperation in this effort will be appreciated, and will help ensure that the results are useful to the Congress, the industry, and the NRC.

If you have any questions, please call the NRC technical monitor, Mr. Robert Goldsmith (301-443-5860).

Sincerely,

thomas V. Wamback

Dennis L. Ziemann, Chief Operating Reactors Branch #2 Division of Operating Reactors

THIS DOCUMENT CONTAINS POOR QUALITY PAGES

#### Mr. Frank Linder

March 4, 1980

- 2 -

cc W/enclosure: Fritz Schubert, Esquire Staff Attorney Dairyland Power Cooperative 2615 East Avenue South La Crosse, Wisconsin 54601

0. S. Heistand, Jr., Esquire Morgan, Lewis & Bockius 1800 M Street, N. W. Washington, D. C. 20036

Mr. R. E. Shimshak La Crosse Boiling Water Reactor Dairyland Power Cooperative P. O. Box 135 Genoa, Wisconsin 54632

Coulee Region Energy Coalition ATTN: George R. Nygaard P. O. Box 1583 La Crosse, Wisconsin 54601

La Crosse Public Library 800 Main Street La Crosse, Wisconsin 54601

Mrs. Ellen Sabelko Society Against Nuclear Energy 929 Cameron Trail Eau Claire, Wisconsin 54701

Town Chairman Town of Genoa Route 1 Genoa, Wisconsin 54632

Chairman, Public Service Commission of Wisconsin Hill Farms State Office Building Madison sconsin 53702

Alan S. Rosenthal, Esq., Chairman Atomic Safety and Licensing Appeal Board U. S. Nuclear Regulatory Commission Washington, D. C. 20555

Director, Technical Assessment Division Office of Radiation Programs (AW-459) U. S. Environmental Protection Agency Crystal Mall #2 Arlington, Virginia 20460

U. S. Environmental Protection Agency Federal Activities Branch Region V Office ATTN: EIS COORDINATOR 230 South Dearborn Street Chicago, Illinois 60604

Charles Bechhoefer, Esq., Chairman Atomic Safety and Licensing Board U. S. Nuclear Regulatory Commission Washington, D. C. 20555

Dr. George C. Anderson Department of Oceanography University of Washington Seattle, Washington 98195

Mr. Ralph S. Decker Route 4, Box 190D Cambridge, Maryland 21613

Dr. Lawrence R. Quarles Kendal at Longwood, Apt. 51 Kenneth Square, Pennsylvania 19348

Thomas S. Moore, Esq. Atomic Safety and Licensing Appeal Board U. S. Nuclear Regulatory Commission Washington, D. C. 20555

Mr. Leo Krojewski Health and Safety Supervisor La Crosse Boiling Water Reactor P. O. Box 135 Genoa, Wisconsin 54632

Pacility	
Name of Respondent	
Department	
Title of Record	

FORM OF RECORD

# FIELD VISIT - OCCUPATIONAL

A. Individual Identification (Personnel and Medical Depts.)

2.

3.

	Yes N	o Paper	Microfilm/ Fiche	Magnetic Tape	On Line Data
Name					
Last					
First					
Middle Initial					
Maiden Name	•				
Address					
Telephone					
Social Security Number				Ξ	
Employee or ID Number					
Date of Birth					
Place of Birth					
Sex					a state and
Race					
Marital Status					
Military Service					
Next of Kin					and the second se
Father's Last Name					
Mother's Maiden Name					
Present Occupation or					
Present Employer			States and s		
Date of Death					
How far back do these					
Are inactive records m	aintained? Yes	No			
If yes, in what form?	(please check)	Where are in check)	nactive recor	ds located?	(please
Paper		On site			
Microfilm/fiche		Off si	te		
Magnetic Tape		Destroy			
On Line Data		If destroyed	d, which year	s?	

Please indicate which of the following are part of an individual's record and the form in which they are maintained.

OCCUPATIONAL FIEL	D VISIT
-------------------	---------

. :

•	Have there been any major changes in your record keeping procedures in past years?	Yes	No
	If so, how do prior records differ from the format indicated above?		
•	Can a complete roster of all those employed at any time in the facility be obtained?	Yes	No
•	Can you estimate roughly how many people are employed full time in the facility now?		
•	How many employees would you estimate have ever been employed full time at this facility?		
	What proportion of those employed are monitored for radiation exposure?	_	
••	What proportion of those monitored are exposed to over: a) 100 mrem/yr.	-	
	b) 200 mrem/yr.		

10. Please indicate which of the following are included in an individual's record and the form in which they are maintained.

			Form of Rec	ord	
	Yes No	Paper	Micro film/ fiche	Magnetic Tape	On Line Data
Date(s) of Hiring					
Date(s) of Termination					
Past Job Titles					
Notes on Pre-Employment Exam					
Regular Medical Exams					-
Exit Exam					
Unusual Medical Exams		The second		Ξ	Ξ
Lab Tests					
Work Restrictions or Disability					
Workers Compensation Claims					
Health Insurance Claims					
Pension Benefits					
Records of Death					

A-2

11. How far back do these records go?\_\_\_\_

If yes, in what form? (please	check) Where are inactive check)	records 10C	ted? (please
Paper	On Site		
Micro Film/Fiche	Off Site		
Magnetic Tape	Destroyed		
On Line Data	If Destroyed, which	years?	
Have there been any major char procedures in past years?	nges in your record keeping	Yes	No
If so, how do prior records d: above?	iffer from the format indicated	1	
How many years of employment a benefits?	are required before receiving		
benefits?	s of radiation health effects	Yes	No
benefits? Have any epidemiologic studies	s of radiation health effects ity before?	Yes	No
Have any epidemiologic studies been carried out at the facil	s of radiation health effects ity before?	Yes	No

Facilty		
	Respondent	
Departme	nt	
Title of		

#### FIELD VISIT - OCCUPATIONAL

## B. Exposure Data

2.

3.

 Please indicate which of the following part of an individual's record and the form in which they are maintained.

#### FORM OF RECORD

	Yes No	Paper	Microfilm/ Fiche	Magnetic Tape	On Line Data
Name					
Last					
First					
Middle Initial					
Maiden Name					
Address					
Telephone			_		
Social Security Number				=	
Employee or ID Number					
Date of Birth				_	
Place of Birth		_	_		
Sex					
Race					
Marital Status		_		_	
Military Service					
Next of Kin				_	
Pather's Last Name					
Mother's Maiden Name					
Present Occupation or Job Title					
Present Employer					_
Date of Death				_	_
How far back do these records go	?				
Are inactive records maintained?	Yes	No			
If yes, in what form? (please che			active record	is located?	(please
		eck)			
Paper		On site			
Microfilm/fiche			• •		
Magnetic Tape		Destroy	ed		
On Line Data			, which years	Contract of the second	

Tes\_

No

4. Have there been any major changes in your record keeping procedures in past years?

If so, how do prior records differ from the format indicated above?

٠.

- 5. Can you roughly estimate the number of full time employees monitored this year?
- 6. Can you roughly estimate the number of full time employees munitored since the facility opened?
- Please indicate the type of dosimeters and procedures currently used at this facility and answer the questions in the table.
   (If you monitor neutron dose separately from Y, B, and x-rays please fill out the separate second sheet as well.)

Method of Dosimetry

			lm	TLD	Pocket	Bioassay	Whole Body	Other
		Yes	No	Yes No	Yes No	Yes No	Yes No	Yes No
a.	Which of these methods are							
ь.		-	-					
c.	dose kept for							
d.	each employee? If not, are any records kept of	-	-					
	their exposures (e.g. an exposure log)? If yes,			,				
	please fill out Part C-Exposure							
•.	Log. How frequently ar these read?	-	-					

:

		lm	TLD	Pocket			Whol	e Body	Other
	Yes	No	Yes No	Yes No	Yes	No	Tes	No	Tes No
t.	Are these read in- house?								
g.	If not, name either the company or individual respon- sible.	-							
h.	For quality control do you ever submit dosimeters or samples exposed to a know level?								
i.	Are quality control records kept?	-			-	-	_	-	
j.	Approximately what proportion of full time employees are monitored by each method?	-				_	_	-	
Hav	there been any major	chan	ges in you	ar dosime	try				
If	dosimetric procedures i yes, please note how the above			8				Yes	No

		Film	TLD	Pocket	Other
		Yes No	Yes No	Yes No	Yes No
a.	Which of these methods are				
ь.	used? Which year did this use begin?				
c.	Ale records of dose kept for				
	each employee?				

8

7.

: \*

7.A. Neutron Dosimetry (cont.)

8.

Method of Dosimetry

	Film	TLD	Pock	et	Other	
	Yes No	Tes No	Tes	No	Yes	No
If not, are any						
records kept of						
their exposures						
(e.g. an exposure						
log)? If yes,						
please fill out Part C-Exposure						
Log.						
How frequently are						
these read?						
Are these read in-	-					
house?						
If not, name eith	er			_		
the company or						
individual respon-						
sible.						
For quality contro						
do you ever submi	E					
dosimeters or samples exposed t						
a know level?	•					
Are quality contr						
records kept?	-					
Approximately what	t					
proportion of ful						
time employees ar						
monitored by each						
sethod?		·				
e there been any	major chan	ges in your	neutron	dosim	etry	
dosimetric proced					Ye	s
es, please note	how they d	iffer from				
bove						

B-4

9. Is there a standard location for wearing the dosimeter? (e.g. at the neck, at the belt, inside apron, etc.) If yes, please note

Yes\_\_\_\_ No\_\_\_\_

10. We would like to know if you have any other recorded information about radiation exposure, please indicate if the following information is recorded for individual employees, and, if so, where and in what media. LOCATION

		and the second	LOCATION		
Yes N	e Record	Paper	Separate Pi Micrefilm/ Fiche		On Line Tape
ing badge ion area					
dure) dent		—		—	
1	-				
years -		—			
ent	-	1000			
years -	-	—		_	-
etime -	-	-		-	
etime		-		-	
ational	-	-			
ion	-	-		—	
xic —	-	-		-	
ones?		-			
u e u a si	re re tional on ic	re	re	re	re

۰.

.

Do the cumulative external dose measurements include neutron dose?		Yes	No
Is there some exposure level below which personnel are not monitored? If yes, what is that level?		Yes	No
How are exposures at "less than minimum detecta levels" reported? (please check) As equal to the minimum detectable level" As "less than minimum detectable level" As zero Other (specify)	able		
Is there an industrial hygiene group in the facility? If yes, whom may we contact?		¥es	No
Do industrial hygiene records exist? If yes, which years do they cover?		Yes	No
What is the procedure for obtaining access to employee records?			· · · · · · · · · · · · · · · · · · ·
	<pre>Is there some exposure level below which personnel are not monitored? If yes, what is that level? How are exposures at "less than minimum detectar levels" reported? (please check) As equal to the minimum detectable level" As "less than minimum detectable level" As zero Other (specify) Is there an industrial hygiene group in the facility? If yes, whom may we contact? Do industrial hygiene records exist? If yes, which years do they cover? What is the procedure for obtaining access to</pre>	<pre>measurements include neutron dose? Is there some exposure level below which personnel are not monitored? If yes, what is that level? Bow are exposures at "less than minimum detectable levels" reported? (please check) As equal to the minimum detectable level" As "less than minimum detectable level" As zero Other .specify) Is there an industrial hygiene group in the facility? If yes, whom may we contact? Do industrial hygiene records exist? If yes, which years do they cover? What is the procedure for obtaining access to</pre>	measurements include neutron dose?       Yes

B-6

Facility

Name	of	Respondent	
Depar	ta	ent	
Title	. 01	Record	

FIELD VISIT

## C. Exposure Log

2.

3.

 Please indicate which of the following are part of an individual's record and the form in which they are maintained.

FORM OF RECORD

C-1

X	es No	Paper	Microfilm/ Fiche	Magnetic Tape	On Line Data
Name					
Last					
First					
Middle Initial				1000	
Maiden Name			=	Ξ	
Address		1		Statistics of the	
Telephone			A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR A CONTRACTOR A CONTRACTOR A CONTRACTOR A CONTRACT		
Social Security Number					
Employee or ID Number					
Date of Birth					
Place of Birth				Ξ	10.00
Sex			=		
Race		House and			
Date of Notation					
		-			
		—			
How far back do these records go?_					
Non investing seconds established?					
Are inactive records maintained?		No			
If yes, in what form? (please check		check)	nactive record	as located?	(please
Paper		On site			
Microfilm/fiche		Off sit	Conciliant and the second statements of the se		
Magnetic Tape	•	Destroy			
On Line Data		If destroyed	d, which year:	s?	

# EXPOSURE LOG

 Have there been any major changes in your record keeping procedures in past years? Yes\_\_\_\_ No\_\_\_\_

If so, how do prior records differ from the format indicated above?

• .