EEOICPA Dose Reconstruction Telephone Interview

Claimant is Covered Employee

As you may know, NIOSH is responsible for estimating the occupational radiation doses received by persons with cancer applying for compensation under the Energy Employees Occupational Illness Compensation Program. Our contractor, Oak Ridge Associated Universities (ORAU), will be conducting the interviews.

This interview provides you with the opportunity to inform NIOSH of any additional information regarding your work history that might not be contained in the exposure monitoring information we receive from the Department of Energy (DOE) or Atomic Weapons Employer (AWE). While we encourage all claimants to participate in the interview process, participation is voluntary. Even though some claimants may not be able to answer all of the questions during the interview or have limited answers to the questions, any information provided during the interview may be useful in the dose reconstruction process.

Interviews with survivors will seek more general information while the interviews with energy employees will contain more detailed questions. This interview should take no more than a half hour, although we may have to call you back for additional information. If we need to divide this interview into a couple of shorter calls, we can do that as well. While we believe that most dose reconstructions can be completed without discussing classified information, we will arrange for a secure interview for those claimants who believe such an arrangement is necessary to complete the interview.

Employment History

1. What jobs have you held working for DOE, DOE contractors, or AWEs?

Employer	Supervisor's Name	Job Title	Start Date (mm/yyyy)	End Date

START WITH THE MOST RECENT JOB AND ASK THE FOLLOWING QUESTIONS IN SECTIONS. REPEAT THESE FOR EACH DOE/AWE JOB INCLUDED IN THE EMPLOYMENT HISTORY.

<u>Detai</u>	led Work Histor	<u>v:</u>
2.	How many hours p	per week did you work on this job?hrs/week
3.	How many hours pradioactive materia	per week did your job involve potential exposure to radiation and/or als?hrs/week
4.	Which buildings of	r locations did you work in, for each of your routine duties?
Build	ling/Location	Duties
5.	Describe what you	did on the job, as routine duties.

Obtain additional details on duties, as necessary:

5.1 What types of radioactive materials were present or processed, and in what form(s) (solid, liquid, or gas)? Review the list below individually, as necessary.

Radionuclide	Response	Isotope(s) if known		<u>Form</u>
Tritium Cobalt Strontium/Yttrium Technetium Iodine Cesium Thallium Lead Polonium Radon (progeny) Radium Actinium Europium Thorium (natural Protactinium Uranium (natural Uranium (enriche Neptunium Plutonium Americium Curium Curium Californium	YNDKYNDKYNDKYNDKYNDKYNDKYNDKYNDKYNDKYNDKYNDKYNDKYNDKYNDKYNDKYNDKYNDK		S S S S S S S S S S	LG
(1) (2) (3)			S S S	_L _G _L _G _L _G
5.2 W	hat quantities of radioac ounds, kilograms, drums	ctive materials were present a) over what time periods? _	or pro	ocessed (ounces,
ar 5.4 W	eas where you worked? hat types of radiation-g	processes involving radioacenerating equipment were pument)?	resent	t or used (e.g., neutron

Building/ Location		Time Period	Duties	Wore badge (check = yes)	Only co-worker wore badge
6.1	(e.g.	which duties or in w , which years) did y nely wear radiation	ou or your co-work	ers (working in the	
IF "N	o" or	"Don't know", G	O TO QUESTION 7, I	F "YES":	
				on t know	
				on't know	
		dosimetr	y badges?Yo		
6. Did y	ou or y	your co-workers (we		• /	ly wear radiation
<u> Auutution I</u>	MUIII	toring .			
Radiation 1	Monis	toring	A		
5.8	Duri	ng what time period	l(s)?		
IF "N	o" or	"Don't know", G	O TO QUESTION 6, I	F "YES":	
		No	t know		
		Yes			
5.7	Did	you conduct your w	ork under a radiation	on work permitting	system?
		Showers	Alv	vays Sometimes	_ Never
		equipment (spec	eify)	, <u> </u>	_
		Other personal prote		vays Sometimes	Never
		Anti-contamination Respirators		vays Sometimes vays Sometimes	
		Local ventilation		vays Sometimes	Never
		Other enclosures (ex	xplain)Alv	vays Sometimes	Never
		Shielding		vays Sometimes	
		Glove boxes		vays Sometimes	Never
	Mea	<u>sure</u> Hoods	A 1 _v	Frequency of use vays Sometimes	Never
	3.6			F	
5.6	Wha	t exposure/contami	nation control meas	ures were used to p	rotect you?
	what	t quantities), and/or	radiation generating	g equipment?	
5.5		t specific tasks did			active materials (in

		<u> </u>	1				
	BADGE praction	: I'll ask you s	everal que er time, so	estions about b	oadge pract	ices. I realize	AIMANT WORE A that badge any changes and
	6.2	How often die	d you wear	your badge?			
		Time Period	Frequenc	<u>Y</u> 			
	6.3	How often wa	Frequence		?		
	6.4	Where on you	ır body wa	s your badge	worn?		
		Time Period	Body Loo	cation			
7.	Did yo	ou participate in	n a biologic	cal radiation n	nonitoring r	orogram (urine	e/fecal/breath)?
	9 0	Yes, urine Yes, fecal Yes, breat No Don't kno	ch		1 6	<i>5</i> (,-
8.	Do you	Thave copies of the copies of	e	simeter badge	or biologica	al monitoring	records?

	1F "NO" GO TO QUESTION 9, IF "YES": 8.1 Would you provide copies to us? YesNo
	IF "YES" GO TO QUESTION 9, IF "NO" EXPLAIN THE IMPORTANCE OF THIS INFORMATION AND ADDRESS ANY CONCERNS, AS FEASIBLE. IF THE ANSWER REMAINS "NO":
	8.2 Why not?
€.	Did you routinely survey yourself (frisk) for external contamination?
	IF "No" GO TO QUESTION 10, IF "YES":
	9.1 When did you survey yourself, before or after showering? Before After
10.	Was there general area air monitoring for radiation performed in the work environment? Yes
	No Don't know
	IF "No" OR "Don'T KNOW" GO TO QUESTION 11, IF "YES": When (over what time periods) did this occur?
11.	Were there any radiation surveys taken to characterize potential for external exposure? Yes No Don't know
	IF "No" OR "DON'T KNOW" GO TO QUESTION 12, IF "YES": When did these occur?
RESPO	AIMANT WORKED AT FERNALD, MALINCKRODT, OR FUSRAP, OR IF THE CLAIMANT ONDED IN QUESTION 4 THAT HE WORKED WITH RADIUM AND/OR THORIUM, ASK THE OWING QUESTION; IF NOT, GO TO QUESTION 13:
12.	Was there monitoring in any of the buildings or areas you worked for exposure to radon? Yes
	No Don't know
	IF "No" or "Don't know" go to Question 13, if "Yes": 12.1 Which buildings or areas?

13.		you ever restricted from the workplace or certain job duties because you had d a radiation dose limit? YesNo
Radi	ation I	<u>ncidents</u>
14.	Were	you ever involved in an incident involving radiation exposure or contamination? YesNo
		O" GO TO QUESTION 15, IF "YES" ASK THE FOLLOWING QUESTIONS FOR EACH ENT IDENTIFIED: What happened and when?
	14.2	Which radioactive materials were involved, and in what form and quantity?
	14.3	Which radiation-generating equipment was involved?
	14.4	Where did it take place?
	14.5	Who was involved?
	14.6	What actions were taken to remedy the exposure or contamination?
	14.7	What were your location and activities during the incident?
	14.8	What precautions were taken to protect you?
	14.9	What types of personal protective equipment, if any, did you use?
		How long were you exposed during the incident?
	14.11	Did you receive chelation therapy or other medical treatment as a result of radiation exposure from this incident? Yes No Don't Know
	IF "No	o" or "Don't know" go to question 14.12, if "Yes":

IF "No" OR "DON'T KNOW" GO TO QUESTION 14.12, IF Please describe the medical treatment you received:

		Chelation Therapy				
				Other	Medical Treatment	
	14.12	Did you receive biological monitor	oring after tl	he incident?	Yes No	
	IF "No	O" GO TO QUESTION 15, IF "YES":				
	14.13	What type of biological monitoring	.g? .	whole boo urine fecal breath	dy measurement	
	14.14	Do you have records of this monit	toring?	Yes No		
	IF "No	O" GO TO QUESTION 15, IF "YES":				
	14.15	Are you willing to provide copies YesNo	of these rec	cords to NIOS	SH?	
	INFOR NO:	ES" GO TO QUESTION 15, IF "NO" FOR MATION AND ADDRESS ANY CONCE				
Regu		edical screening x rays			_	
5.	Were	you ever required to have medical x yment? Yes No	x rays for th	is job, as a co	ondition of	
	IF "NO 15.1	O" GO TO QUESTION 16, IF "YES": How often were you x-rayed, and	over what t	time period(s))?	
Time	e Period	I	Frequenc	y of x rays		

	15.2	Do you have recor	rds of these x ra	ys?	Yes, for aYes, for soNo	ll x rays ome x rays	
	IF "No 15.3	O" GO TO QUESTION Would you provid		s of these	records?	Yes No	
<u>Other</u>	r relev	ant information					
16. IF "No	during	we missed asking you this job which youYesNo	think may be u				
	16.1	Describe this with when, for how lon		-		hat occurred,	where,
17.	_	ou aware of any reco	Yes:	Pe Sit Ind	Source/Type rsonal Physicia te Medical Receident Reports fety Meeting N	n ords otes	may help
			No				
	IF "No	O" AND THIS IS THE	LAST JOB TO R	EVIEW, GO	TO QUESTION	18.	
		ES" AND THE RECOR					IMANT TO

Final Questions – Identifying co-workers and other witnesses

18. Can you name co-workers or other witnesses, such as consulting industrial hygienists or

radiation safety us?	y specialists, who can confirm or expand upon the information you have provide
_	Yes No
IF "YES", OBTA	AIN UP TO FIVE NAMES AND ANY CONTACT INFORMATION AVAILABLE:
1	
2	
2	