
OMB 0925-XXXX

Expires: XX/XX/XXXX

Liquidator's identification number: |_| |_|_|

STUDY OF THE HEALTH STATUS OF LIQUIDATORS

Subject Questionnaire

Revised 08/2001

Public reporting for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden to: NIH, Project Clearance Office, 6705 Rockledge Drive, MSC 7974, Bethesda, MD 20892-7974, ATTN: PRA (0925-0401). Do not return the completed form to this address.

Information on the liquidator from the Chornobyl Registry

	Chornobyl Registry	Corrections, if applicable
0.1 Last name		
0.2 First name		
0.3 Patronymic name		
0.4 Date of birth	day _ _ month _ _ 19 _ _	day _ month _ 19
0.5 Type of document use	ed for proof of identity	
	1 □ passport 2 □ military passport 3 □ other, specify	 1 □ passport 2 □ military passport 3 □ other, specify
Serial number		-
Number		
0.6 Home address		
ZIP code		
oblast, region	-	
raion		
if in city:		
city	-	
street		
street #	<u> _ _ </u>	<u> </u>
apartment #		
if in countryside:		
agricultural sovet settlement		
0.7 telephone number:	at work _ _ _ _	at work
	at home _ _ _	at home

Last, first and patronymic names of interviewer	
Date of interview:	day _ month year 20 _
Time interview began:	hours _ minutes _

1.	Sor	ne info	rmat	ion on the liquid	dator							
		l would or's stat		to ask you to ar	nswer general qu	estion	is and the	en to sh	now me	a docume	ent proving	g your
1.1	l You	ur natior	nality ((check one)?								
			1 🗆	Belarusian		3 □	Ukrainiar	า				
			2 🗆	Russian		4 □	other, spe	ecify:				
1.2	2 You	ur family	/ statu	s (check one)?								
			1 🗆	married (including	g cohabiting)	3 □	widowed					
			2 🗆	single		4 □	divorced					
1.3	3 Wh	at is you	ur edu	cation (check one)?							
			1 🗆	eight classes or le	ess	3 □	special h	igh scho	ool			
			2 🗆	high school		4 □	higher sc	chool				
1.4	₽ Ple	ase sho	w me	a document provi	ng your liquidator	status	i.					
	a.	If a doo	cumen	nt was given, write	down the followin	g infor	mation:					
			Тур	pe of document	Serial number,	numbe sue	r, date of	Name o	f organisa	tion that iss	sued the do	cument
					-							
					 	1 1	1 1					
						/19						
					-							
					_ /	/19						
					-							
				_	 	1 1	1 1					
						 /19	— <u>'—</u> ' 					
							-					
	b.	If the d	ocume	ent is not available	e (lost, etc.), pleas	e tell r	ne <i>(write</i> "	"don't re	member"	, if applica	ble):	
		the rea	son w	hy it is not availab	le							
		the type	e of de	ocument								
		the org	anizat	tion that issued it								
1.5	5 Но	w many	times	were you sent on	mission to the 30	-km zo	one (check	k one)?				
		j		once		3 □	three time					
			2 🗆	twice		4 □	more, spe	ecify				

The following sections (2-4) should be completed for each liquidator's mission to the 30-km zone separately. After completion of sections 2-4 for the first mission, complete the same sections in the additional sheets for the following missions, if the liquidator was sent to the 30-km zone several times. If he doesn't remember the date you are asking about, enter 99 into the box for the year (if the year is not remembered) and enter 99 into the box for the month (if the month is not remembered. If the liquidator doesn't remember the day, ask him if that day was in the beginning, in the middle or at the end of the month and then enter the letter "H" - for the beginning of the month, the letter "c" - for the middle of the month or the letter " κ " - for the end of the month.

2. Information on the first mission to the 30-km zone

Now I am going to ask you questions on the reason of your participation in activities in the 30-km zone and will ask you to show me documents confirming the period of time spent in the 30-km zone (if available). If there were several missions, please try to remember all of them and to describe the working conditions in the zone and living conditions outside the 30-km zone.

con	iditions outside th	e 30-km zone.	
2.1	Please tell me w	hich organization sent	you to the 30-km zone (check one)?
	1 🗆	regular army	4 ☐ Ministry of internal Affairs/KGB
	2 🗆	•	e (komisaryat) 5 🗖 other
	3 🗆	organization subordi	nated to the Nuclear Industry Ministry (including NPP)
2.2	Please give me t	the exact name and lo	cation of that organization at the time you were sent to the 30-km zone:
	name		
	oblast		
	city/settlement		
	If name has cha	inged, please give the	new name
2.3	Please tell me w	hen you started your r	nission
			/ /19
2 1	Diago tell ma w	hen you ended your m	1
2.4	riease tell lile w	nen you ended your n	
			/ / 19
2.5	Do you have an	official document to co	onfirm the dates of your mission in the 30-km zone (check one)?
	1 🗆	•	
	2 🗆	no	
	If "yes" please s	how it to me.	
	If the document	was shown please wr	ite down the following information:
		Type of document	Time spent in the 30-km zone
			from _ / / 19 to / _ / 19 _ _
			from _ _ / _ / 19 _ _ to _ _ / _ / 19 _ _
			from _ / / 19 _ to / / 19 _ _
			from
			from

2.6	Please tell me the zone (if not indicate)		e organization to which you w	ere subordinated	during your mis	sion to the 30-km
2.7	-	yes	document indicating the radia	tion dose that you	received (<i>checl</i>	k one)?
	If "no" please in 1 □ 2 □					
	If "yes" please s	show it to me	(If the document was shown the following information):	, or if the liquidato	r remembers th	ne contents of the
		document,	Serial number, number, date of issue	Period of exposu	ıre, dose, unit	Is it a cumulative dose?
			- _	from _ / to / dose _	/ 19 _ / 19 _ 	1 □ yes 2 □ no 9 □ don't know
			- _ _ _ / /19	from _ / to / _ dose _	/ 19 <u> </u> / 19 <u> </u>	1 ☐ yes 2 ☐ no 9 ☐ don't know
			_ - _	from _ / to / dose _	/ 19 _ / 19 _ 	1 □ yes 2 □ no 9 □ don't know
28	Did you work shi	fts (check one	2)?			
2.0	•	yes	.,,·			
		both, indicate	e dates when worked shifts	from to	_ / /	_ / 19 <u> </u> _ / 19 <u> </u>
2.9	Please tell me w	here you usu	ally worked in the 30-km zone ns (check all that apply)	and what proporti	on of your time	(percentage) you
	•	outside build 1 l 2 l	ings and vehicles (outdoor) ☐ yes, specify proportion of t ☐ no	ime%		
	2 🗆	inside buildir 1 l 2 l	☐ yes, specify proportion of t☐ no	ime%		
	3 □		□ don't remember cle (for example, car)			

	2 🗆	yes, specify proportion of time	%	
		don't remember		
	4 □ other, specify _			
		yes, specify proportion of time	%	
	2 🗆 o 🗆	no don't remember		
	9 □ don't remembe			
2.10				
		settlements – the main areas where down all the main settlements, one or		as the followi
	Settlement, raio	Date when started day/month/year	Duration (days)	Average number of hours per da
	a	/ _ / 19		_
	b	/ / 19		_
	c	/ _ / 19		<u> _ _</u>
	d	/ / 19	<u> </u>	<u> _</u>
	e	/ _ / 19		1 1 1
				·—
2.11			, <u> </u>	1
Please place o		ettlements – the main areas where young information <i>(interviewer should writ</i>		
Please place o				rpe of dwelling
Please place o	f stay, as well as the followin	Date when started to live there, duration (days) and average	e down all the main set What was the ty	rpe of dwelling
Please place o	Settlement, raion	Date when started to live there, duration (days) and average number of hours per day	What was the ty where you man tent Substitute the main sets	rpe of dwelling ainly lived?
Please place o	Settlement, raion	Date when started to live there, duration (days) and average number of hours per day - _ / / 19 - days	What was the ty where you man	rpe of dwelling ainly lived?
Please place o	Settlement, raion	Date when started to live there, duration (days) and average number of hours per day	What was the ty where you man 1 tent 2 wooden 3 brick or concrete	rpe of dwelling ainly lived?
Please place o	Settlement, raion	Date when started to live there, duration (days) and average number of hours per day - _ / / 19 - days	What was the ty where you may set the ty where you may set the total tent a large wooden a large to the total tent a large to the total tent a large	rpe of dwelling ainly lived?
Please place o	Settlement, raion	Date when started to live there, duration (days) and average number of hours per day - _ / / 19 - days hours / day	What was the ty where you may 1 tent 2 wooden 3 brick or concrete 4 other, specify 9 don't remember 1 tent 2 wooden	rpe of dwelling ainly lived?
Please place o	Settlement, raion	Date when started to live there, duration (days) and average number of hours per day - _ / / 19 - hours / day	What was the ty where you may set the ty where you may set the total tent a large wooden a large to the total tent a large to the total tent a large	rpe of dwelling ainly lived? e block
Please place o	Settlement, raion	Date when started to live there, duration (days) and average number of hours per day - _ / / 19 - hours / day - _ _ / 19 _ days	What was the ty where you may where you may where you may all tent tent wooden other, specify don't remember tent wooden other, specify don't remember tent don't remember other, specify don't remember don't remember other, specify don't remember	rpe of dwelling ainly lived? e block
	Settlement, raion a b	Date when started to live there, duration (days) and average number of hours per day - _ / / 19 - hours / day - _ / _ days - _ hours / day - _ hours / day	What was the ty where you may where you may where you may wooden 1 tent 2 wooden 3 brick or concrete 4 other, specify 9 don't remember 1 tent 2 wooden 3 brick or concrete 4 other, specify 9 don't remember	rpe of dwelling ainly lived? e block

9 ☐ don't remember

Settlement, ra	iion	Date when started to live there, duration (days) and average number of hours per day	What was the type of dwelling where you mainly lived?			
d		/ / 19 days _ hours / day	1 □ tent 2 □ wooden 3 □ brick or concrete block 4 □ other, specify 9 □ don't remember			
e		/ / 19 days _ hours / day	1 ☐ tent 2 ☐ wooden 3 ☐ brick or concrete block 4 ☐ other, specify 9 ☐ don't remember			
1 ☐ your do 2 ☐ your do 3 ☐ your mi 4 ☐ illness 5 ☐ other, s	ese was hig ese was equ ession was o specify ot left, still v	left the 30-km zone after the mission her than the permissible level ual to the permissible level over	(check one).			
	ern the me		protection measures (if applicable) and			
or "don't remember" for	now the method each metho blease indic	and approximate time period when od; if "yes" indicate requested informate for each time period the number	it was applied <i>(check one - "yes", "no'</i> <i>ation).</i> If your dose was estimated with er corresponding to the dosimeter you			
Method of estimation		Period	Number of dosimeter			
With a personal dosimeter (see photographs from the booklet)	1 □ yes 2 □ no 9 □ don't	from _ / /19 _ to _ from _ / _ /19 _ _ to _ from _ / _ /19 _ _ to _ from _ / _ /19 _ _ to _ t remember	_ / _ /19			
By group dosimetry	1 □ yes	from _ / /19 _ to _	_ / /19 _			

Method of estimation		Period	Number of dosimeter
	from <u> </u> /	/19 _ to _ / /19	
	from <u> </u> /	/19 _ to _ / /19	
	2 □ no 9 □ don't remember		
By itinerary	1 □ yes from <u> </u> /	/19 _ to _ / /19	
	from <u> </u> /	/19 _ to _ / /19	
	from <u> </u> /	/19 _ to _ / /19	
	2 □ no 9 □ don't remember		
3.2 If you had a personal dos	simeter, how often did you	wear it (check one)?	
1 □ all the t		3 ☐ sometimes at work	
2 □ only at		9 □ don't remember	
3.3 Was the dosimeter regula 1 □ yes	arly returned to the dosime	etry service (check one)?	
2 □ no			
9 □ don't re	member		
If "yes", please tell me he	ow often (check one)?		
1 ☐ daily	ale	5 always when dosimetry service	asked to return it
2 □ once a 3 □ every tv	week wo weeks	9 ☐ don't remember	
4 □ once a			
3.4 Did you estimate your ow	n radiation dose while wo	rking (check one)?	
1 □ yes			
2 □ no 9 □ don't re	memher		
If "yes", what was your e		I	
Indicate unit of estimated		<u> </u>	-111
1 □ rem		4 other, specify	· · · · · · · · · · · · · · · · · · ·
2 □ rad 3 □ R (Roei	ntgen)	9 □ unknown	
What was your attitude	•	le staying in the 30-km zone? If you be explain why you think so.	elieve that your do
			· · · · · · · · · · · · · · · · · · ·

	Type of activity	Yes	No	Don't remember
	Construction of sarcophagus on the industrial site of the ChNPP	1 🗆	2 🗆	9 🗆
	Removal of the radioactive fragments and pieces of graphite from the roofs or places close to the ventilation chimney	1 🗆	2 🗆	9 🗆
	Decontamination of the rooms and equipment inside ChNPP buildings	1 🗆	2 🗆	9 🗆
	Decontamination of industrial site and neighbourhood, including equipment outside ChNPP buildings	1 🗆	2 🗆	9 🗆
	Dosimetry service (razvedka)	1 🗆	2 □	9 🗆
	Decontamination of vehicles in PUSO (Points for strict sanitary clean-up)	1 🗆	2 🗆	9 🗆
	Repair and servicing of ChNPP equipment	1 🗆	2 □	9 🗆
	Other types of activity on the industrial site, specify	1 🗆	2 🗆	9 🗆
	Decontamination activities and burial of radioactive waste outside the industrial site	1 🗆	2 🗆	9 🗖
	Construction of roads inside the 30-km zone	1 🗆	2 □	9 🗆
	Working as a driver	1 🗆	2 □	9 🗆
	Guarding of objects of ChNPP or inside the 30-km zone	1 🗆	2 🗆	9 🗆
	Other types of activities outside the industrial site, specify	1 🗆	2 🗆	9 🗆
	you ever use any of the following protective measures while working in tees on each line)?	the 30-kn	n zone	(check one of the
	Type of protective measure	Yes	No	Don't remember
	Respirator or gas mask	1 🗆	2 🗆	9 🗆
	Gloves	1 🗆	2□	9 🗆
	Protective glasses	1 🗆	2 □	9 🗆
	Protective clothes	1 🗆	2 □	9 🗆
	Lead apron	1 🗆	2 🗆	9 🗆
	Vehicles with protective covering (armoured cars, lead sheets in helicopters)	1 🗆	2 🗆	9 🗆
	Other, specify	1 🗆	2 🗆	9 🗆
3.7 Did	you work on the industrial site of ChNPP (check one)?			
	1 □ yes			
	2 □ no			
	9 ☐ don't remember			
3.8 Did	you take preparations of stable iodine during the time of your mission in the	ne 30-km	zone (d	check one)?
	1 □ yes			
	2 □ no			

9 □ don't remember	
If "yes", please specify the time period	
from <u> </u> / <u> </u>	19 <u> </u> to <u> </u> / <u> </u> 19 <u> </u>
and number of tablets per day	1.1.1
3.9 Please list the people who worked with you.	11
Last, first and patronymic names	Title
4. Description of the first episode of work during the first pa	articipation in the 30-km zone
In the following section I would like to ask you to remember in detail the	•
km zone during the first days after the accident - at the end of April a	
episodes when you were most exposed to radiation.	
4.1 Please tell me where you worked (use the photographs, schemes	
explanation of abbreviations- pp. 16-19 -, list of rooms - pp. 2	?0-23- and of settlements -pp. 24-57 - from
Booklet - part A. Check all that apply):	
1 on the industrial site of the ChNPP inside building	
2 on the industrial site of the ChNPP on the roof of	
3 □ outside buildings at other locations of the industri4 □ outside buildings and outside the industrial site or	, , ,
5 ☐ inside vehicles - in the 30-km zone, including the	, ,
9 ☐ don't remember ((go to question 4.2)	madstrial site -(complete section a)
····	
a. On the industrial site of the ChNPP inside buildings (if no, go to	, ,
a.1 Show me the building where you worked in (use the sche also explanation of abbreviations- pp. 16-19 - and list o	
Select one number and enter it).	
a.2 How long did it take you to walk to the place where yo	ou worked after entering the building (enter
duration in minutes)?	<u> </u>
a.3 Did you pass more than two staircases on the way?	
1 □ yes	
2 🗆 no	
9 ☐ don't remember	
a.4 What was the size of the room you worked in (enter in m ²))? _ _
a.5 Were there any windows?	
1 □ yes	
2 □ no	
9 □ don't remember	
a.6 If "yes", were they covered with lead?	
1 □ yes	
2 □ no	
9 don't remember	
a / What was the colour of the Walls (chack obel)	

		1 🗆	white		5 🗆	green	
		2 🗆	grey		6 □	brown	
		3 □	gold		7 🗆	other, specify	
		4 🗆	silver		9 🗆	don't remember	
	a.8	Was the	e door thick (check o	ne)?			
		1 🗆	yes				
		2 🗆	no				
		9 🗆	don't remember				
	a.9	What w	as the floor covered	with (check one)	?		
			plastic			wood	
			concrete			other, specify	
			tiles			don't remember	
	a.10		ere large machinery	in the room (che	ck or	ne)?	
			yes				
		2 🗆					
			don't remember				
	a.11	Give m	ore details describin	g your working pl	lace i	n the building:	
h	05.4	ho indus	strict site of the ChNI	OD on the reef of	الماناط	ingo:	
D.			strial site of the ChNF				hotos from Booklet - part B -, selec
	D. 1		nber from the schem				
	b.2		ere other buildings r			,	11
			yes	, ,	- /		
		2 🗆	•				
			don't remember				
		If "ves	" nlease enter the nu	imbers of buildin	as fra	nm scheme-man o	f buildings and structures on the
			PP plant grounds from		90 110	m soneme map o	i ballangs and structures on the
					[_	/ _	_ _ _ / _ _
	b.3	Was the	e roof you worked on	(check one):			
		1 🗆	higher than other b	uildings?			
		2 🗆	lower than other bu	ildings?			
		9 🗆	don't remember?				
	b.4	Did the	roof have different l	evels (check one)?		
		1 🗆	yes				
		2 🗆	no				
		9 □	don't remember				
	b.5	What w	as the size of the ro	of? (enter in m²)			
			aterial was the roof		eck o	ne)?	··
			concrete	•		asphalt	
			asbestos sheets		5 🗆	other, specify	
		_	wood			don't remember	
	b.7		e roof damaged near				
			yes	in place you we		(3.1.2.2	
		2 🗆	•				
			don't remember				

	b.8	Were th	nere debris or wast	te materials near the pla	ace you worked (check one)?
		1 🗆	yes			
		2 🗆	no			
		9 🗖	don't remember			
	b.9	Were w	as the staircase le	eading to the roof (check	k one)?	
		1 🗆	outside the buildi	ing		
		2 🗆	in the building			
		9 🗖	don't remember			
	b.10) Give m	ore details describ	ing your working place	on the roof:	
C.		side build				
	c.1		of building you			roof of buildings, please indicate th d photos from Booklet and enter
	c 2	If you y	vorked outside or	n the industrial site of	the ChNPP nles	_ ase indicate the name of settlemen
	0.2			or nearby) you worked		
	c.3	Were th	nere any of the follo	owing landmarks near t	he place you wor	ked (check all that apply)?
		1 🗆	buildings	_		
		2 🗆	electricity pylons			
			other, specify			
			don't remember			
	c.4	What kir	nd of machinery wa	as nearby <i>(check all tha</i>	nt apply)?	
			bulldozers	• '	cranes	
		2 🗆	dump trucks		other machiner	v. specify
			excavators		don't remember	• •
	c.5		as under your feet			
			earth	•	sand	
			gravel		other, specify	
			concrete		don't remember	•
			asphalt	5 -	dont remember	
	c 6		•	reduce the dust level (check one)?	
	0.0		ves	reduce the dust level (check one;	
		2 🗆	•			
			don't remember			
	. 7			:		
	C. 7	Give mo	ore details describi	ing your working place:		
ا.	l		in the 20 line rear	in all ration the all ratios to the	aita).	
a.				, including the industrial		
	u.T		• •	e you worked in <i>(check</i>	•	
		10			tractor	
		2 🛘	bus	6 Ц	crane	

		3 □	dump truck		7 □	other, specify
		3 □ 4 □	•			don't remember
			vehicle have any p	protective covering		
			yes		, (0	
		2 🗆	•			
		9 🗆	don't remember			
		If "yes	" describe it:			
		d.3 Describ		vere followed: road	ds, se	ttlements, production sites (use the maps and lists o
4.2	Тур	e of activities	in the episode:			
	a.	Please desc	ribe in detail the w	ork that you did, a	nd ind	licate what tools and devices were used:
	b.	How did you	work (check one)	?		
	٠.	•	in a group	•		
			alone			
		9 □	don't remember			
	C.	1 🗆 2 🗖	yes	ces where radioac	tive w	aste was buried) (check one)?
4.3	Сс	mmuting to the	ne place of work in	the episode:		
	a.	What type of	transportation did	you use to comm	ute ba	ack and forth to your working place (check one)?
		1 🗆	BTR (armoured of	ar)	5 □	car
			bus			lorry
			tractor			other, specify
			helicopter			don't remember
	b.		_		-	vorking place (use the maps and lists of settlements):
		to where yo	•			· · · · · · · · · · · · · · · · · · ·
			along the route			· · · · · · · · · · · · · · · · · · ·
	C.	1 🗆 2 🗖	nge vehicles while yes no don't remember	commuting (chec	k one)	?
		If "yes" spe	cify where you did	it		
	d.		-			ved to the place where you worked and back <i>(enter ir</i>

e.	Did you walk to your working place after getting out of the vehicle (check one)?	
	1 □ yes	
	2 □ no	
	9 ☐ don't remember	
	If "yes" please enter duration in minutes	
f.	Please describe the route you followed to get back from your working place to the place you	
	from where you started	
	to where you went	
	landmarks along the route	· · · · · · · · · · · · · · · · · · ·
4.4 Me	eals and leisure in the episode	
a.	Where did you take your meals during working hours (use maps and photos from Booklet - put outside a building (enter number of closest building from the map or scheme of settlement):	
	2 \square in a building (enter number of building from the map or scheme or enter name	of settlement):
	3 □ in a vehicle (specify which) 9 □ don't remember	
b.	How did you get to the place where you ate <i>(check one)</i> ? 1 □ on foot 2 □ by transport 9 □ don't remember	
	If by transport, please indicate how long it took (enter duration in minutes)?	
	and route	
C.	How long was your lunch break (enter duration in minutes)?	
d.	Where did you rest during breaks (use the maps and photos from Booklet and check on ans 1 □ outside a building (enter number of closest building from the map and scheme name of settlement): 2 □ in a building (enter number of building from the map or scheme 2-3 or enter na settlement): 3 □ in a vehicle (specify which) 9 □ don't remember	2-3 or enter
e.	How did you get to the place where you rested <i>(check one)</i> ? 1 □ on foot 2 □ by transport 9 □ don't remember	
	If by transport, please indicate how long it took (enter duration in minutes)?	
	and route	
f.	How long did you rest during your working day (enter duration in minutes)?	
4.5 Tir	me period of the episode: from _ / /19 to /	<u> </u> /19 <u> </u>

Working days during the episode: (circle the days that apply if the liquidator worked in April-May-June 1986, and circle the months if he worked later - starting from July 1986 until the end of 1987)

		April	/ May	1986	;	
М	T	W	Th	F	S	S
21	22	23	24	25	26	27
28	29	30	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

9 ☐ don't remember

4.6

4.7

		Ju	ne 19	986		
М	Т	W	Th	F	S	S
						1
2	3	4	5	6	8	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

1986	19	987
Jul	Jan	Jul
Aug	Feb	Aug
Sep	Mar	Sep
Oct	Apr	Oct
Nov	May	Nov
Dec	Jun	Dec

	'-		• •			.,	.0		'	.,				- '			'''	way	
	19	20	21	22	23	24	25		23	24	25	26	27	28	29		Dec	Jun	D
	26	27	28	29	30	31			30										
Nur	nber (of wo	king	days	during	g the	episod	de (o	n ave	rage)))							<u> </u>	_
Dos	simetr	ic cor	ntrol d	luring	the e	pisod	e:												
a.	Did y	1 [2 [□ ye	es O	clothe meml		fore w	ork ('chec	k one)?								
b.		1 [2 [9 [□ ye □ no	es on't re	meml	oer	y upo me be				·		k in m	ninute	s			1 1	1 1
C		•							•		•				chec	k on	ne)?	II	_
O.	ыа у	1 [2 [□ ye	es O	meml			i one		y raar	odoliv	C 001	itariii	ation	(0/100	,			
d.	Did y	1 [2 [□ ye	es O	conta		filled	with	pota	ssium	n pern	nanga	anate	(chec	k one)?			
e.	Did a	1 [2 [□ ye	es O	trol th		iation	situa	ation (during	g your	work	or wa	as the	re one	e nea	arby <i>(ch</i>	eck one	e)?
f.	Did y	1 [2 [□ ye	es O	ommı meml		e with	the	dosir	netris	t (che	eck or	ne)?						
g.	Was	the d	osime	etrist f	rom tl	ne mi	itary (chec	ck one	e)?									
			□ ye □ no																

4.8 Yo	our comments	concerning the episode:		
а	dosimetrist 1 \Box 2 \Box	, etc. <i>(check one)</i> ? yes	bed above were	well organised and under the control of a supervisor,
b	. What surpris	sed you during your work?		
С	. Please give	any comments concerning	g your activities o	luring the episode.
5. Ge	eneral inform	ation on occupationa	I history	
	ld like to ask i		ns about your o	ccupational history and possible hazardous working
5.1 W	hat is your cur	rent occupational group (check one)?	
	1 🗆	student	5 □	self employed
	2 🗆	agricultural worker	6 □	unemployed
	3 □	industrial worker	7 🗆	not work due to disability or retirement
	4 🗆	office worker	9 🗆	other, specify
5.2 W	hat was your o	occupational group before	the Chornobyl a	ccident (check one)?
	1 🗆	student	5 □	self employed
	2 🗆	agricultural worker	6 □	unemployed
	3 □	industrial worker	7 🗆	not work due to disability or retirement
	4 □	office worker	9 🗖	other, specify
5.3 Ha	ave you ever w	orked with radiation (other	er than the time y	ou spent in the Chornobyl area) (check one)?
	1 🗆	yes		
	2 🗆	•		
	9 □	don't remember		

if yes,	please indic	ate the	profesional	activity,	dates of	f employment,	and	name	and	location	of	organization
where	vou worked	(check "	no" or "ves"	for each	tvpe of i	professional a	ctivity	r).				

Professional activi	ty Period of employment, month/year Organization (name, location)
Medicine	1 □ yes from _ / to _ /
	from _ / to _ /
	from _ / to _ /
	2 □ no
Nuclear industry	1 □ yes from _ / to _ /
(including NPP)	from _ / to _ /
	from _ / to _ /
	2 □ no
Industrial radiography	1 □ yes from _ / to _ /
	from _ / to _ /
	from _ / _ to _ /
	2 □ no
Army service, other than above	1 □ yes from _ / to _ /
above	from _ / to _ /
	from _ / to _ /
_	2 □ no
Other, specify	1 □ yes from _ / to _ /
	from _ / to _ /
	from _ / to _ /
	2 □ no
ave you ever worked in one of quidator), including army serv 1 □ yes 2 □ no 9 □ don't rememb	
yes, please indicate the ty ganization where you worked	rpe of industry, dates of employment, position, and name and location of d.
Type of industry	Period of employment, month/year Organization (name, location)

	Type of industry	Period of employment, month/year	Organization (name, location)
-		from <u> </u> / <u> to _ </u> _ / _	
_			
_		from <u> </u> / <u> </u> to <u> </u> / <u> </u>	
 5.5 Did yo one)?		ardous chemicals (show the list of hazardo	us chemicals to the liquidator and che
ŕ	1 □ yes 2 □ no 9 □ don't reme	ember	
if yes	, please indicate chen	nical, dates of employment, name and locati	ion of organization where you worked
	Chemical	Period of employment, month/year	Organization (name, location)
_		from <u> </u> / <u> to _ </u> / <u></u> _	
<u>-</u> -		from <u> </u> / <u> </u> to <u> </u> / <u> </u>	
_		from <u> </u> / <u> </u> to <u> </u> / <u> </u> _	
-		 from <u> </u> _ / <u> </u> to <u> </u> / _	
. Medic	al history		
-	-	ver had the following diseases.	
.1 Have	you ever had a thyroid	d disease?	
	1 □ yes 2 □ no 9 □ don't reme	ember	
If "yes	s", please indicate the		
	<u> </u>	/ear of Name of hospital, acagnosis	ddress (oblast, raion)

					
Goiter	19 _				
Thyroid nodules	19				
Hypothyroidism	19 _				
Hyperthyroidism	19				
Thyroiditis	<u> </u>				
-	1311				
Other, specify	19 _				
6.2 Has a doctor ever told y	ou that you had a tumou	r (honian or maliana	nt) or louko	mia (check one)	2
1 □ yes 2 □ no 9 □ don't r	remember				
	(indicate for each of thei pe of treatment received)		y localisatio	on, hospital of di	agnosis, year
a. First tumour	,				
Localisation			· · · · · · · · · · · · · · · · · · ·		
Hospital					
Year of diagnosis					19 _
Treatment		Yes	No	Don't know	
Radiotherapy		1 🗆	2 🗆	9 🗆	
Chemotherapy Surgery		1 🗆 1 🗖	2 🗆 2 🗖	9 □ 9 □	
011			2 🗆	9 □	
b. Second tumour					
Localisation					
Hospital					
Year of diagnosis					19 _
Treatment		Yes	No	Don't know	
Radiotherapy		1 🗆	2 🗆	9 🗆	
Chemotherapy		1 🗆	2 🗆	9 🗆	
Surgery		1 🗆	2 🗆	9 □	
Other, specify 6.3 Have you ever received	radiathorapy for modical	1 □	2 🗆	9 🗆	1 (chack or
1 ☐ yes 2 ☐ no 9 ☐ don't r		conductions outer the	iii (iiose iisi	ed in question o	. I (Check of
If "yes", please specify: disease					
hospital, where radio	otherapy was received				
year of treatment					19 _

Mother	o-diagnostic procedure				Numbe times
2	al X-ray		2 🗆	No	_
Other, specify Other, specify	t X-ray (except fluoroscopy))	2 🗆	No	_
mily information answer the following questions on your family and relatives we many brothers and sisters do you have? Inve any of your first degree blood relatives (parents, brothers, sisters and children) and second delatives (grand parents, aunts, uncles and grand children) had any of the following thyroid yroiditis, goiter, hypothyroidism, hyperthyroidism, thyroid nodules (benign), etc.? Relationship to the liquidator Disease Year diagnorm Mother 1 Yes, specify 19 19 19 19 19 19 19 19 19 19	of bone		2 🗆	No	<u> _</u>
e answer the following questions on your family and relatives ow many brothers and sisters do you have? Inve any of your first degree blood relatives (parents, brothers, sisters and children) and second destatives (grand parents, aunts, uncles and grand children) had any of the following thyroic yroiditis, goiter, hypothyroidism, hyperthyroidism, thyroid nodules (benign), etc.? Relationship to the liquidator Disease Year diagnorm Mother 1 Yes, specify 9 Don't know Father 1 Yes, specify 19 19 19 19 19 19 19 19 19 19	, specify		2 🗆	No	<u> </u> _
Mother 1	brothers and sisters do you of your first degree blood re grand parents, aunts, und	u have? elatives (cles and	parents, brothe	ers, sisters and children) and se en) had any of the following	
2	brothers and sisters do you of your first degree blood re (grand parents, aunts, und goiter, hypothyroidism, hyp	u have? elatives (cles and	parents, brothe	ers, sisters and children) and se en) had any of the following odules (benign), etc.?	thyroid dise
Tather 1	brothers and sisters do you of your first degree blood re (grand parents, aunts, und goiter, hypothyroidism, hyp	u have? elatives (cles and perthyroid	parents, brothe d grand childr dism, thyroid no	ers, sisters and children) and se en) had any of the following odules (benign), etc.?	Year of diagnosis
19 19 19 19 19 19 19 19	brothers and sisters do you of your first degree blood re (grand parents, aunts, und goiter, hypothyroidism, hyp	u have? elatives (cles and perthyroid	parents, brothed grand childred dism, thyroid not help yes, specify	ers, sisters and children) and se en) had any of the following odules (benign), etc.?	Year of diagnosis
2 □ No 9 □ Don't know Other relative, specify 1 □ Yes, specify 19	brothers and sisters do you of your first degree blood re (grand parents, aunts, und goiter, hypothyroidism, hyp	a have? elatives (cles and perthyroid	parents, brothed grand childred dism, thyroid not have a specify	ers, sisters and children) and se en) had any of the following odules (benign), etc.?	Year of diagnosis
9 □ Don't know Other relative, specify 1 □ Yes, specify 19 □ 19 □ 19 □ 19 □ 19 □ 19 □ 19 □ 19	brothers and sisters do you of your first degree blood re (grand parents, aunts, und goiter, hypothyroidism, hyp	a have? elatives (cles and perthyroid 1 2 9 9	parents, brothed grand childred dism, thyroid not have a specify No Don't know	ers, sisters and children) and se en) had any of the following odules (benign), etc.? Disease —————————————————————————————————	Year of diagnosis
2 □ No	brothers and sisters do you of your first degree blood re (grand parents, aunts, und goiter, hypothyroidism, hyp	a have? elatives (cles and perthyroid 1 2 9 1 1 1	parents, brothed grand childred dism, thyroid not have a specify No Don't know Yes, specify	ers, sisters and children) and se en) had any of the following odules (benign), etc.? Disease —————————————————————————————————	Year of diagnosis 19 _ 19 _
2 □ No	brothers and sisters do you of your first degree blood re (grand parents, aunts, und goiter, hypothyroidism, hyp	1 □ 2 □ 1 □ 2 □ 1 □	parents, brothed grand childred dism, thyroid not have a specify No Don't know Yes, specify No No	ers, sisters and children) and se en) had any of the following odules (benign), etc.? Disease —————————————————————————————————	Year of diagnosis 19 _ 19 _
	brothers and sisters do you of your first degree blood re (grand parents, aunts, und goiter, hypothyroidism, hypothip to the liquidator	latives (cles and perthyroid 1	parents, brothed grand childred dism, thyroid not have a specify No Don't know Yes, specify No Don't know One has been been been been been been been bee	ers, sisters and children) and se en) had any of the following odules (benign), etc.? Disease —————————————————————————————————	Year of diagnosis 19 _ 19 _
9 LI DOLLKHOW	brothers and sisters do you of your first degree blood re (grand parents, aunts, und goiter, hypothyroidism, hypothip to the liquidator	latives (cles and perthyroid 1	parents, brothed grand childred dism, thyroid not have a specify No Don't know Yes, specify No Don't know Yes, specify	ers, sisters and children) and se en) had any of the following odules (benign), etc.? Disease —————————————————————————————————	Year of diagnosis 19 _ 19 19 19
Other relative, specify 1 □ Yes, specify 19	brothers and sisters do you of your first degree blood re (grand parents, aunts, und goiter, hypothyroidism, hypothip to the liquidator	latives (cles and perthyroid 1	parents, brothed grand childred dism, thyroid not have a specify No Don't know Yes, specify No Don't know Yes, specify	ers, sisters and children) and se en) had any of the following odules (benign), etc.? Disease —————————————————————————————————	Year of diagnosis 19 _ 19 19 19

Relationship to the liquidator		Disease	Year of diagnosis
	2 □ No		
	9 ☐ Don't know		
7.3 Have any of your first degree blood relatives (grand parents, aunts, un leukemia (check "yes", "no", or "do and the year of diagnosis; enter "do"	ncles and grand children n't know" for each of the r) ever had any type of or relatives. If "yes", indicate	cancer: solid cancer the primary localizati
Relationship to the liquidator		Localization	Year of diagnosis
Mother	1 ☐ Yes, specify 2 ☐ No		19
	9 ☐ Don't know		
Father	1 ☐ Yes, specify 2 ☐ No		19 _
	9 ☐ Don't know		
Other relative, specify	1 ☐ Yes, specify _ 2 ☐ No		19 _
	9 ☐ Don't know		
Other relative, specify	1 ☐ Yes, specify _ 2 ☐ No		19 _
	9 □ Don't know		
a. Smoking habits The questions in the following two section cientific interest. The answers will be kently and the section of the section o	ept confidentially and used eck one)?		plicable) and have o
.2 How old were you when you started	smoking regularly?		_
.3 Do you currently smoke cigarettes re1 □ yes2 □ no (go to question)			
s.4 How old were you when you stopped	d smoking regularly?		
.5 How many total years have you smo stopped smoking	oked cigarettes regularly in	your lifetime, not counting	g any periods when y

				
8.6 How many cigarettes (papirosy) do you smoke (or	did you	smoke	e if you have stop	 ped) in a typical day?
8.7 What do you usually smoke (or did smoke, if you h	nave sto	oped)	(check all that ap	ply)?
1 ☐ cigarettes with filter	3 □	hand-	rolled cigarettes	
2 ☐ cigarettes without filter/paprosy	4 🗆	other	, specify	
9. Alcohol consumption habits				
9.1 How often do you drink alcohol currently (check or	ne)?			
1 □ never	4 □	once	a week	
2 ☐ once a month or less	5 □	sever	al times a week	
3 ☐ 2-3 times a month	6 □	every	day	
If you drink alcohol, please tell me whether you dr	rink the f	ollowir	ng and the typical	amount you drink per day?
Beverage				Quantity (ml)
Beer			Yes, specify	
		2 🗆	No	
Vodka, including samogon¹		1 🗆 2 🗆	Yes, specify No	
Wine		1 🗆 2 🗖	Yes, specify No	
Other, specify	 	1 🗆 2 🗆	Yes, specify No	
9.2 Have your alcohol habits changed since you were	in the C	hornol	ovl area (check or	ne)?
1 □ didn't change			ed drinking after	,
2 ☐ I now drink more 3 ☐ I now drink less			ot drink currently	•
10. Conclusion				
10.1				
Thank you york much for anawaring my quartions. I	Dlagge u	oo tho	lines below for	any additional comments vo
Thank you very much for answering my questions. F may have.	Please u	se me	lines below for	any additional comments yo
				

¹ Home-made spirit

Time	interview ended:			hours I	minutes	1 1

11. Questions to t	the interviewer	
11.1 Location of inte	rview (check one).	
1 🗆	polyclinic	
	•	
	, , <u>, , , , , , , , , , , , , , , , , </u>	
11.2 Was responder	nt responsive (check one)?	
1 🗆	no (was uninterested, reticent)	
2 🗆	fairly cooperative and responsive	
3 🗆	very cooperative , helpful	
11.3 How well did th	ne liquidator seem to remember the	details of his work in the 30-km zone (check one)?
1 🗆	very well	4 □ not well
2 🗆	well	5 □ not at all
3 □	fairly well	
		e industrial site of the ChNPP, how confident are you about e described his work, proposed maps, schemes and
1 🗆	I am confident	
2 🗆	I am not sure	
3 □	I do not think that he worked on the	industrial site of the ChNPP
8 🗆	liquidator answered that he didn't w	ork on the industrial site
9 🗆	I don't know	
explain, wh	ny do you think so	
11.5 How well did to occupational (check		about his history of exposure to radiation - medical and
1 🗆	very well	4 □ not well
2 □	well	5 □ not at all
3 □	fairly well	
	the liquidator remember the detail ccupational (check one)?	s about his history of exposure to chemicals - medica
1 🗆	very well	4 □ not well
	well	5 □ not at all
	fairly well	
	•	

1.7 Please add any additional notes, comments on the liquidator's answers and your general comments on the literview. In particular, please provide further details and information, not covered in the questionnaire but received om the liquidator, if you find them to be relevant; please give all the details about liquidator's state which mighave affected quality of his answers (such as: was he ill? did he have any problem? or was in a hurry during the
terview?).