

https://dspace.org/

Critical group identification via a radiological habit study of members of the public potentially exposed to radiation from the Koeberg Nuclear Power Station

Maree, Marc

2009-05-29T08:15:18Z
http://hdl.handle.net/10539/6999

Downloaded from a DSpace repository. https://dspace.org/

ANNEX A QUESTIONNAIRE FOR COLLECTION OF HABIT SURVEY DATA

DIRECT RADIATION SURVEY AREA					
DATE		**TIME**		**UNIQUE NUMBER**	
NAME				**ZONE**	
ADDRESS				**WORK LOCATION**	
FUNCTIONS					
SUB-CRITICAL GROUP		**MALES**		**FEMALES**	
AGE GROUPS	> 17 YEARS	12-17 YEARS	7 -12 YEARS	2 - 7 YEARS	<2YEARS
WINTER INDOOR TIME			**SUMMER INDOOR TIME**		
WINTER OUTDOOR TIME			**SUMMER OUTDOOR TIME**		
INDOOR MEASUREMENT	**AMBIENT DOSE RATE – µSv/h**	**COUNT RATE CPS – β γ**	**COUNT RATE CPS – α**	**TLD DOSE µSv/h**	**AIRSAMPLE Bq/m^3**
OUTDOOR MEASUREMENT	**AMBIENT DOSE RATE – µSv/h**	**COUNT RATE CPS – β γ**	**COUNT RATE CPS – α**	**GAMMA SPEC**	**TLD DOSE µSv/h**

DATE		**TIME**		**ZONE**	
ADDRESS				**RESIDENTIAL LOCATION**	
FAMILY MEMBERS		**MALES**		**FEMALES**	
AGE GROUPS	> 17 YEARS	12-17 YEARS	7 -12 YEARS	2 - 7 YEARS	<2YEARS
WINTER INDOOR TIME			**SUMMER INDOOR TIME**		
WINTER OUTDOOR TIME			**SUMMER OUTDOOR TIME**		
INDOOR MEASUREMENT	**AMBIENT DOSE RATE – µSv/h**	**COUNT RATE CPS – β γ**	**COUNT RATE CPS – α**	**TLD DOSE µSv/h**	**AIRSAMPLE Bq/m^3**
OUTDOOR MEASUREMENT	**AMBIENT DOSE RATE – µSv/h**	**COUNT RATE CPS – β γ**	**COUNT RATE CPS – α**	**GAMMA SPEC**	**TLD DOSE µSv/h**
NOTE					

ANNEX A QUESTIONNAIRE FOR COLLECTION OF HABIT SURVEY DATA

AQUATIC RADIATION SURVEY AREA					
LOCATION		**ACCESIBILITY**		**SURFACE**	Rock, mud, sand, sand and stone
INTERTIDAL ACTIVITIES ON WATER					
INTERTIDAL ACTIVITIES IN WATER					
NR OF PEOPLE OBSERVED					
NR OF BOATS SEEN IN AREA		**SIZES OF BOATS**		**NUMBER OF BOATS MOORED**	
HABOUR OR SLIPWAY		**LOCAL CLUBS**		**COMMERCIAL FISHERIES**	
AIRSAMPLE Bq/m^3	**AMBIENT DOSE RATE – µSv/h**	**COUNT RATE CPS – β γ**	**COUNT RATE CPS – α**	**GAMMA SPEC**	**TLD DOSE µSv/h**
PATHWAY					
ACTIVITY Bq/kg					

INDIVIDUAL AQUATIC RADIATION PATHWAYS					
INTERTIDAL ACTIVITIES IN WATER			**INTERTIDAL ACTIVITIES ON WATER**		
TIME SPENT ON BEACH PER YEAR					
TYPES OF FISH CAUGHT				**METHOD OF CATCHING FISH**	Trammel nets Hand line or rod
QUANTITIES OF FISH CAUGHT PER YEAR				**TIME SPENT HANDLING FISHING GEAR**	
FISH SOLD TO RETAILERS		**FAMILY FISH CONSUMPTION PER YEAR**	Adults >17 years	Teens 12-17 years	Children <12 years
NOTES					
TYPES OF CRUSTACEANS CAUGHT PER YEAR	Crayfish	Black mussels	White mussels	Winkles	Seaweed or wild fowl
QUANTITIES CAUGHT PER YEAR					
CRUSTACEANS SOLD TO RETAILERS		**CRUSTACEANS CONSUMED BY FAMILY PER YEAR**	Adults >17 years	Teens 12-17 years	Children <12 years
NOTES					

ANNEX A QUESTIONNAIRE FOR COLLECTION OF HABIT SURVEY DATA

TERRESTRIAL RADIATION SURVEY AREA					
LOCATION			**FARM HOUSEHOLD**		
INDOOR MEASUREMENT	**AMBIENT DOSE RATE – µSv/h**	**COUNT RATE CPS – β γ**	**COUNT RATE CPS – α**	**TLD DOSE µSv/h**	**AIRSAMPLE Bq/m^3**
OUTDOOR MEASUREMENT	**AMBIENT DOSE RATE – µSv/h**	**COUNT RATE CPS – β γ**	**COUNT RATE CPS – α**	**GAMMA SPEC**	**TLD DOSE µSv/h**

INDIVIDUAL TERRESTRIAL RADIATION SURVEY PATHWAYS					
LOCAL FRUIT				**FRUIT SOLD TO RETAILERS**	
CONSUMPTION RATES Bq/kg					
NOTE					
LOCAL VEGETABLES				**VEGETABLES SOLD**	
CONSUMPTION RATES					
NOTE					
LOCAL WATER SUPPLY			**LOCAL WATER CONSUMPTION**		
OTHER PATHWAYS			**CONSUMPTION**		
NOTE					
WINTER INDOOR TIME			**SUMMER INDOOR TIME**		
WINTER OUTDOOR TIME			**SUMMER OUTDOOR TIME**		
RECREATION ACTIVITIES					
LEISURE ACTIVITIES					
PATHWAY					
ACTIVITY Bq/kg					

ANNEX A QUESTIONNAIRE FOR COLLECTION OF HABIT SURVEY DATA

INTEGRATED DOSE ASSESSMENT			
NAME		UNIQUE NUMBER	

EXTERNAL DOSE ASSESMENT				
WORK LOCATION	INDOOR DOSE RATE µSv/h	TIME SPENT INDOORS HRS PER YEAR	INDOOR DOSE PER YEAR	COMMENTS
WORK LOCATION	OUTDOOR DOSE RATE µSv/h	TIME SPENT OUTDOORS HRS PER YEAR	OUTDOOR DOSE PER YEAR	COMMENTS
RESIDENCE	INDOOR DOSE RATE µSv/h	TIME SPENT INDOORS HRS PER YEAR	INDOOR DOSE PER YEAR	COMMENTS
RESIDENCE	OUTDOOR DOSE RATE µSv/h	TIME SPENT OUTDOORS HRS PER YEAR	OUTDOOR DOSE PER YEAR	COMMENTS

INTERNAL DOSE ASSESMENT					
WORK LOCATION	AIRBORNE RADIONUCLIDE	EXPOSURE TIME	DCF	INTERNAL DOSE	
RESIDENCE	AIRBORNE RADIONUCLIDE	EXPOSURE TIME	DCF	INTERNAL DOSE	
AQUATIC PATHWAY	RADIONUCLIDE	CONSUMPTION RATE	DCF	INTERNAL DOSE	
TERRESTRIAL PATHWAY	RADIONUCLIDE	CONSUMPTION RATE	DCF	INTERNAL DOSE	
EXTERNAL DOSE		INTERNAL DOSE		TOTAL DOSE	