Event Reporting Handbook

EVENT REPORT COVER PAGE

AGREEMENT STATE

EVENT REPORT ID NO. KY - 00 - 001 (State\Yr.\No.)

DATE:

February 8, 2000

TO:

Paul Lohaus

Director

Office of State Programs

SUBJECT: Lost Source

STATE:

Kentucky

Signature and Title: _

Supervisor, Radioactive Materials Program

Kentucky Radiation Health and Toxic Agents Branch

(4-9		-(M 003		0. 3. NO		COMMISSION		ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS							
EVENT REPORT									INFORMATION COLLECTION REQUEST: 1 HOUR. THIS INFORMATION IS REQUESTED TO ASSESS MATERIALS EVENTS AND EVALUATE ACTIONS NECESSARY TO PREVENT THEIR RECURRENCE FORMATION COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (T-8 F33), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0178), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.						
UC	NSEE			"	CITY AND STATE						ORIGINAL ITEM NUMBER				
		n Kentucky				ichmond, K	Y								
TYP	E OF LI	CENSE (i.e., Field Redio	raphy	, Private Practice Med	LICENSE NUMBER					THIS ITEM NUMBER					
Academic - Limited Scope							203-032-83	TOPE DATE OF EVENT							
	ABNORMAL OCCURRENCE			FOLLOW-UP REPORT	ISOTOPE				TYPE OF ISOTOPE AEA MATERIAL			August 1999			
	YES			YES	N: 62		ACCELERATOR PR	DUCED			DATE OF THIS REPORT EAD THE THE REPORT 2000				
Х	NO				Ni-63	NORM					February 8, 2000				
	. 4 . 4 . 4			nt of material is below exempt quantity, do not complete											
<u>_</u>	<1 MILLICI			100 MILLICI - < 1 CI			10 C - 100 C				Пикиоми				
X 1 MILLICI - < 100 MILLICI 1 CI - < 10 CI > 100 CI															
EVENTS INVOLVING OVEREXPOSURE NUMBER OF OVEREXPOSURES DOSE TO DOSE NUMBER OF OVEREXPOSURES DOSE TO DOSE												DOSE	RAD	REM	
1401	SOURCE OF RADIATION			TYPE OF INDIVIDUAL			EVENT LOCATION RESTRICTED AREA		WHOLE BOO		,	5005	- 100	- CEN	
													- 1		
	EXTERNAL .		\vdash	MINOR EMPLOYEE		⊢	UNRESTRICTED AF	⊢		EXTREMITY					
		INTERNAL		EMBRYO/FETUS		-	CONTROLLED ARE	<u> </u>	 		I				
	вотн			PUBLIC		┝	,	· -		ORGAN					
-		NG SOURCE	-			<u>'</u>								<u> </u>	
***		OST OR STOLEN MATER	JAL									· · · · · · · · · · · · · · · · · · ·			
		EVENT	П	PROBABLE DISPOSITION											
	X LOST			EVENT LOCATION FIXED SITE			WELL LOGGING RECOVERED SOURCE					UNKNOWN			
	∭ −	FOUND		TEMPORARY JOB SITE			WELL LOGGING IRRETRIEVABLE SOURCE				OTHER (Specify)				
	₩ -	THEFT		LICENSED VEHICLE			COMMERCIAL WASTE								
		THEFT, WITH		COMMERCIAL CARRIER			INCINERATOR								
		FORCE X OTHER (Specify)					SCRAP METAL POSSIBLY								
	F	ELEASE OF MATERIALS													
	FORM			EVENT			LOCATION .								
	₩[SOUD		SPILL			RESTRICTRED AREA								
	FIGUID			TRANSPORTATION			UNRESTRICTED AREA								
	GAS			OTHER (Specify)			CONTROLLED AREA								
		S INVOLVING FACILITIES	3			,							 		
		IRE	SPILL			OTHER (Specify)									
		AMAGE TO DEVICE		> 24-HOUR DENIAL OF ACCESS											
		XPLOSION		DAMAGE TO SAFE	TY EQUIPMENT					DINCGARW					
EVENTS INVOLVING GAUGES TYPE EVENT						EVENTS INVOLVING RADIOGRAPHY									
	16	GENERAL LICENSE					LOCATION SOURCE DIS				EVENT CONNECT				
		EXEMPT		SHUTTER MOIST IDE/DENSITY GALIGE DAMAGE							T RETURNED TO FULLY SHIELDED POSITION				
		SPECIAL LICENSE		MOISTURE/DENSITY GAUGE DAMAGE			JOB SITE								
	- I	FIXED		OTHER (Specify)			CABLE FAIL FAILURE TO				FOLLOW PROCEDURES				
	∭ ⊢	PORTABLE													
*****	EVEN	ENT INVOLVING AN IRRADIATOR MANUFACTURER				000000		MODEL			SERIAL NUMBER				
		ENTS INVOLVING TELETHERAPY													
ABS					ctive action. May be conti	nued	on the reverse side)								
	See	ATTACHED.													
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Attachment

On December 17, 1999, Eastern Kentucky University reported to the Kentucky Radiation Control Program, the loss of two (2) nickel sources. The sources were reported to be 10 and 15 millicuries each as contained in a gas chromatograph (GC).

The circumstances of the loss are as follows. Prior to August, the device was removed from its place of use to a location where other surplus equipment was stored. This surplus equipment was sold in "lots" in late July or early August. The University was able to determine from records the individual to whom the "lot" believed to contain the GC was sold. A search was made of his property but the device was not found. The individual indicated he had probably sold the device to either an aluminum smelting company or a scrap metal dealer. The University believes the GC was smelted.

No exposures to individuals are believed to have occurred. The nickel-63, if smelted, would be incorporated into the aluminum.

Information on the GC is as follows:

Perkin-Elmer Model 2000/2100 gas chromatograph Ni-63 serial number 819, 15 millicuries Ni-63 serial number 703, 10 millicuries Electron capture detector model 6000204

The University has undertaken corrective steps to maintain better accountability of sources and equipment.