

NMED Item Number: 950292

Narrative:

Last Updated: 07/10/1997

The Colorado Department of Health reported an overexposure at the Licensee's facility. The Licensee was performing radiography on some elevated piping. The radiographer received a dose of 14.51 rem. the radiographer's assistant's TLD is currently being processed. The assistant may have also received an overexposure. The exact details on how the overexposure occurred are not known at the present time. Update: Colorado Radiation Control Staff investigated on 03/17/95, and determined that the event was in all probability, an actual overexposure of 14,510 mrems to one radiographer. The radiographer assistant received only 180 mrems during the same period. The radiographer admitted that he had not followed procedures and had not surveyed the camera after each radiography shot. It appeared that the radioactive source was partially exposed during one or more of the shots. The radiographers wore alarming ratemeters, however, due to ambient noise, these devices could not be heard unless they were held approximately 3 inches from the ear.

Event Date:	Discovery Date:	Report Date:
03/08/1995	03/08/1995	03/16/1995

Licensee/Reporting Party Information:

Regulated By:	AGREEMENT STATE	Reciprocity:	NONE
License Number:	CO-476-01	Name:	COORS BREWERY
Docket Number:	NA	City:	GOLDEN
Program Code:	NA	State:	CO
Responsible NRC Region: 4			

Site of Event:

Site Name: GOLDEN State: CO

Additional Involved Party:

License Number: NA City: NA
 Name: NA State: NA

Other Information:

NRC Reportable Event:	Y	Abnormal Occurrence:	N
Agreement State Reportable Event:	Y	Investigation:	Y
Atomic Energy Act Material:	Y	Record Complete:	Y
Consultant Hired:	N	Event Closed by Region/State:	

Event Cause:

EXP - OVEREXPOSURE

Cause: FAILED TO CONDUCT LOCKOUT SURVEY OF THE CAMERA AFTER THE SOURCE WAS RETRACTED

Contributing Factors Information:

EXP

Number: Contributing Factor:

1 IMPROPERLY FOLLOWED PROCEDURES

Corrective Actions Information:

EXP

Number: Corrective Action:

1 NOT REPORTED

A11

Overexposure Information:

Person ID Number: 1 Radiation Exposure Source: SEALED SOURCE RADIOGRAPHY Exposure Dose (rem): 14.510 Type of Dose: WHOLE BODY, OCCUPATIONAL

Demographic Information:

Person ID Number: 1 Description: MALE

Source/Radioactive Material Information:

EXP

Source Number:	1	Radionuclide:	IR-192
Source/Material:	SEALED SOURCE RADIOGRAPHY	Activity (Ci):	30
Manufacturer:	NR	Leak Test Results (uCi):	NR
Model Number:	NR		
Serial Number:	NR		

Device/Associated Equipment Information:

EXP

Device Number:	1	Model Number:	660
Device/Equipment:	CAMERA, RADIOGRAPHY	Serial Number:	NR
Manufacturer:	AMERSHAM		

Reporting Requirement Information:

EXP

Reporting Requirement: 20.2202(b)(1)(i) - LOSS OF CONTROL OF MATERIAL CAUSING OR THREATENING TO CAUSE AN INDIVIDUAL TO RECEIVE, IN A PERIOD OF 24 HOURS, A TOTAL EFFECTIVE DOSE EQUIVALENT EXCEEDING 5 REM (0.05 SV).

Keywords:

EXP

Keyword: SEALED SOURCE RADIOGRAPHY
 Keyword: WHOLE BODY

Reference Documents:

Reference Document Number:	Entry Date:	Retraction Date:	Type of Report:
EN28543	03/17/1995		EVENT NOTIFICATION REPORTED FROM AN AGREEMENT STATE
PN495015	03/23/1995		PRELIMINARY NOTIFICATION REPORTED FROM AN AGREEMENT STATE