

**EVENT REPORT COVER PAGE**

---

**AGREEMENT STATE**

**EVENT REPORT NO. LA- 01-00**

---

**DATE: March 2, 2000**

**TO: Office of State Programs**

**SUBJECT: CY1999 PERSONNEL EXPOSURE OF FOUR (4)  
EMPLOYEES AT WELDING TESTING X-RAY**

**STATE: LOUISIANA**

**Signature and Title: Corey Meaux  
LA Radiation Protection Div.  
Baton Rouge, LA 70884-2135**

---

---



# State of Louisiana

## Department of Environmental Quality

M.J. "MIKE" FOSTER, JR.  
GOVERNOR

J. DALE GIVENS  
SECRETARY

### FAX COVER SHEET

DATE FAXED: 3/2/00

TO: Pat Larkin  
(Person-Company-Department)

Telephone #: \_\_\_\_\_

FAX #: (301) 415 3502

FROM: COREY MEAUX

Louisiana Radiation Surveillance Section  
Department of Environmental Quality  
P. O. Box 82135  
Baton Rouge, LA 70884-2135

OR

Radiation Surveillance Section  
5222 Summa Court Drive  
Baton Rouge, LA 70809

Phone # (225) 765-<sup>1023</sup>~~2550~~

Fax # (225) 765-0866

Hot Line # (800) 256-2494

FAX INCLUDES THIS COVER SHEET AND THE FOLLOWING \_\_\_\_\_ PAGES.

SPECIAL INSTRUCTIONS (if any):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Operator: \_\_\_\_\_



3/6/00 RIDS EVENT DIST  
SPO 4 cc: Plucking  
J. Meyers, ASD

EVENT REPORT

ABNORMAL OCCURRENCE YES NO FOLLOW-UP REPORT YES ORIGINAL ITEM NO. \_\_\_\_\_

01-00 2/22/00 3/1/00 Welding Testing X-Ray LA-3266 L01 Baton Rouge LA  
ITEM EVT DATE RPT DATE LICENSE LIC. NO. CITY STATE

ISOTOPE Ir-192  AEA MATL  ACCEL.  NORM

AMOUNT OF RADIOACTIVE MATERIAL  
(If amount of material is below exempt quantity, there is no need to fill out this form.)  
 <1 MILLICI  1 MILLICI - <100 MILLICI  1 CI - < 10 CI  
 UNKNOWN  100 MILLICI - < 1 CI  10 CI - 100 CI  
 >100 CI

EVENT INVOLVING EXPOSURE NUMBER EXPOSED \_\_\_\_\_  
TYPE OF INDIV.  EMPLOYEE  MINOR EMPLOYEE  EMBRYO/FETUS  PUBLIC  
EVENT LOCATION  RESTRICTED AREA  UNRESTRICTED AREA  CONTROLLED AREA  
DOSE TO:  WHOLE BODY  LENS OF EYE  EXTREMITY  SKIN  ORGAN  
MAXIMUM DOSE RAD REM \_\_\_\_\_

SOURCE OF RADIATION  
 EXTERNAL  
 INTERNAL  
 BOTH

LEAKING SOURCE  IRRETRIEVABLE WELL LOGGING SOURCE  
 LOST OR STOLEN MATERIALS  RELEASE OF MATERIALS

EVENT EVENT LOCATION PROBABLE DISPOSITION FORM EVENT  
 LOST  FIXED SITE  RECOVERED  SOLID  SPILL  
 FOUND  TEMP. JOB SITE  COMM. WASTE  LIQUID  TRANSPORT.  
 THEFT  LIC. VEHICLE  INCIN.  GAS  OTHER  
 THEFT, WITH FORCE  COMM. CARRIER  SCRAP METAL  UNKNOWN  LOCATION  
 OTHER  RESTRICTED AREA  
 UNRESTRICTED AREA  
 CONTROLLED AREA

EVENTS INVOLVING FACILITIES  
 FIRE  EXPLOSION  > 24 HR. DENIAL OF ACCESS  
 DAMAGE TO DEVICE  SPILL  DAMAGE TO SAFETY EQUIPMENT  
 OTHER \_\_\_\_\_

EVENTS INVOLVING GAUGES  RADIOGRAPHY  
TYPE  GL  EXEMPT  SPEC. LIC.  FIXED  PORTABLE  
EVENT  SHUTTER  MOIS/DEN GAU DAMAGE  OTHER \_\_\_\_\_  LOST/STOLEN  
LOCATION  FIXED  TEMP. JOB SITE  
EVENT  SOURCE DISCONNECT  SOURCE NOT RETURNED TO FULLY SHIELDED POS.  CABLE FAILURE  EQUIP FAILURE  FAILURE TO FOLLOW PROCEDURES

4 Excessive Exposures

IRRADIATOR  TELETHERAPY  
MANUFACTURER \_\_\_\_\_ MODEL \_\_\_\_\_ SER. NO. \_\_\_\_\_

ABSTRACT (MAY BE CONTINUED ON OTHER SIDE OF PAGE)  
On 3/1/00 the LA. Department of Environmental Quality was notified by Welding Testing X-Ray of an excessive exposure to 4 of the company's employees. The exposures were due to slow TLD badge record returns & long work hours. An investigation is ongoing into this matter.



A Complete Metallurgical, Welding, and Nondestructive Testing Laboratory

Rec'd by 1/10/00  
3/1  
Copy made for Joe  
3/1

2/22/00

LA Department of Environmental Quality  
Radiation Protection Division  
PO Box 82135  
Baton Rouge, LA 70884-2135

**Attention:** Ms. Diane B. Ausbrooks, Licensing & Registration Section

**Reference:** Dose received in excess of that allowed by LAC 33:XV.410

Dear Ms. Ausbrooks,

This is written in response to several of our radiographers receiving a dose in excess of the limits of LAC 33:XV.410 for the calendar year 1999. This is reported in compliance with the requirements of LAC 33:XV.487. We have only just become aware of this situation. Our TLD badge supplier has had a very long backlog due to a reported Y2K computer glitch. We have only recently received the reports for the last quarter of 1999 within days of each other.

**Individuals Involved & Radiation Dose (See Page 3 for additional info)**

Kevin W. Albez	6,104 mrem
Jabe M. Crawford	6,534 mrem
Jason M. Soileau	5,112 mrem
Gary J. Vines, Jr.	7,224 mrem

**Cause**

There were two primary causes for this occurrence. One was an unprecedented workload during the past year. The radiographers dosimeter readings for a given work shift were no larger than average. They did not appear to be of any real concern on their own. The second factor has been a very long delay in receiving the reports of TLD badge exposures. There has been an approximate four-month delay in receiving these reports. We have only just received the report for the month of October in February. We have now received the reports for the remainder of 1999. On discussion with Eberline about the reporting problem we were informed it was due to computer glitches while trying to upgrade to a Y2K compliant system. The problem has reportedly been fixed and this is the reason we now have the reports for the remainder of 1999. We have been ensured that the problem has been fixed and that reports will be provided within a reasonable time frame.



A Complete Metallurgical, Welding, and Nondestructive Testing Laboratory

---

### Corrective Action

We have a new database program that lets us determine the total dosimeter reading at any given time. We will review this information at the end of each month in order to allow early assessment of radiographer who may be receiving radiation at to high a rate. This information will be shared with any individuals involved. When each monthly report is received it will receive close attention for any individual who may be receiving too high a dose. If any individual has a reading higher than 400 mrem in any month it will be brought to their attention and a plan for keeping the dose within limits will be formed. We are dedicated to keeping personnel exposure within the allowable limits. We have never had this occur before and are dedicated to not having it occur again.

Please feel free to contact us at you convenience if we may be of any assistance to you.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read 'Lance D. Henderson', written in a cursive style.

**Lance D. Henderson**

Radiation Safety Officer  
NDT Level III - RT, UT, MT, PT  
ASNT Certification Number KM-1359

LDH/