

APPENDIX

U.S. NUC REGULATORY COMMISSION  
REGION IV

NRC Inspection Report: 30-15283/89-02      Operating license: 35-19048-01

Docket: 30-15283

Licensee: Bill Miller, Inc.  
601 West Trudgeon  
P. O. Box 1107  
Henryetta, Oklahoma 74437

Inspection At: Henryetta, Oklahoma

Inspector: C. L. Cain for 10/27/89  
L. L. Kasner, Health Physicist      Date  
Nuclear Materials Inspection Section

Approved: C. L. Cain 10/27/89  
C. L. Cain, Chief      Date  
Nuclear Materials Inspection Section

Inspection Summary

Inspection Conducted October 4, 1989 (Report 30-15283/89-02)

Areas Inspected: Special, unannounced radiation safety inspection of byproduct material use in industrial radiography. The inspection included a review of training, materials and equipment, and radiation exposure control.

Results: Within the areas inspected, no violations or deviations were identified. The inspector observed that the licensee's equipment, storage facilities, and training program were in compliance with the Commission's rules and regulations and the conditions of the license.

DETAILS

1. Persons Contacted

William A. Miller, President and Radiation Safety Officer  
John E. Miller, Radiation Safety Manager

2. Authorized Materials, Uses, and Users

The licensee's storage area and equipment were reviewed and the inspector noted that the area was appropriately secured and posted. Surveys performed confirmed that radiation levels in the surrounding unrestricted areas did not exceed any limit prescribed in 10 CFR Part 20. The licensee performs periodic surveys in this area to demonstrate compliance with the regulations.

The licensee currently uses Gamma Industries (GI) Model Century S and Source Production and Equipment Corporation (SPEC) Model Z-T exposure devices containing iridium-192 sealed sources, as well as GI Master Minder devices containing cesium-137 sealed sources. Both sources and exposure devices were documented on inventory records. The licensee possessed an adequate number of survey instruments, Victoreen Model 492, and pocket dosimeters, Victoreen and Dosimeter Corporation of America (DCA), for the program. Those meters present at the facility had been calibrated within the appropriate interval.

No apparent violations were identified.

3. Training Program

The licensee provides training for radiographer assistants as well as programs to qualify individuals as radiographers. The inspector reviewed training records for one radiography assistant and two radiographers that had recently completed training. All had completed the required instruction given by the Radiation Safety Manager as well as written and field examinations as required. The radiographer's assistant had not completed the required on-the-job training, having terminated his employment after 2 months.

No apparent violations were identified.

4. Radiation Protection

Personnel dosimetry records were reviewed and it was noted that no individuals had exceeded the quarterly occupational exposure limits. NRC Form 4s were completed for each employee and records of previous occupational exposure were properly maintained. The inspector noted that the licensee had employed one individual, under the age of 18 years, to

work as a radiographer's assistant. The licensee had appropriately limited this individual's dose to 125 millirems per calendar quarter.

No apparent violations were identified.

5. Records and Reports

The inspector noted that the licensee had submitted an annual personnel monitoring report as required under 10 CFR 20.407 and was in the process of preparing personnel monitoring reports for three individuals who had recently terminated their employment.

The inspector reviewed the licensee's response to Bulletin No. 88-06 regarding transportation of the Spec 2-T exposure device and noted that the licensee had responded to the Commission as required. The licensee transports these devices as private carrier transport in a protective box attached to the vehicle.

No apparent violations were identified.

6. Exit Interview

The inspector met with the licensee's representatives and reviewed the findings as presented in this report.