APPENDIX

U.S. NUCLEAR REGULATORY COMMISSION
REGION IV

NRC Inspection Report: 30-28835/90-03 License: 35-23193-01

Docket: 30-28835

Licensee: Edwards Pipeline Testing, Inc.
1205 South Gillette Avenue
Tulsa, Oklahoma 74104

Facility Name: McDermott Lay Barge 29

Inspection At: McDermott Lay Barge 29
in Federal Waters in the
Gulf of Mexico

Inspection Conducted: October 23, 1990

Inspector: Robert A. Brown 11/14/90
R. A. Brown, Senior Radiation Specialist Date
Nuclear Materials and Safeguards Inspection
Section

Approved: Charles L. Cain 11/19/90
Charles L. Cain, Chief, Nuclear Materials and Date
Safeguards Inspection Section

Inspection Summary

Inspection Conducted October 23, 1990 (Report 30-28835/90-03)

Areas Inspected: This was a routine, unannounced radiation safety inspection of a byproduct material program authorizing the use of licensed materials for industrial radiography. The inspection included a review of the handling of radiographic equipment, use of personnel monitoring equipment and survey instruments, posting and area surveillance, and storage and security of licensed material.

Results: No violations were identified during the inspection. It should be noted that no gamma radiography was performed while the inspector was on site.

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DETAILS

1. Persons Contacted

*Richard Ferris, Senior Radiographer
*Al Ashley, Radiographer
*Ron Coe, Radiographer

*Attended field site exit brie ing

2. Inspection Overview

This unannounced inspection was conducted aboard the McDermott Lay Barge 29 operating in Federal waters in the Gulf of Mexico. Helicopter transportation for the inspector was provided by Panhandle Eastern Gas Company. The inspector noted upon arrival that only radiography using an X-ray crawler was being performed. However, this mode of operation requires the use of a Gamma Industries Master Minder and Tattle-Tale for tracking of X-ray machines in pipelines. These devices contain less than 225 millicuries and 125 millicuries of cesium 137 respectively. The licensee did have a SPEC 2-T radiography exposure device on board which is used periodically when valves are "tied-in" to the pipeline.

3. Equipment and Materials

The licensee stored the SPEC-2-T (camera) in a portable darkroom aboard the barge. The inspector noted that the camera was properly secured and labeled in its shipping container. Radiation levels of approximately 15 millirem per hour were measured by the inspector at the surface of the shipping container. The licensee possessed three operable NDS-2000 survey meters. Calibration stickers affixed to the instruments indicated that they had been calibrated on September 24, 1990, which meets the 3-month calibration frequency requirement. All radiography personnel were observed to be wearing R. S. Landauer film badges dated October 10, 1990, and pocket dosimeters with a range of 0 to 200 milliroentgens. Licensee representatives stated that pocket dosimeters are recharged at the beginning of each shift.

The inspector observed that proper surveillance and posting was maintained of radiation areas. Although this observation was of X-ray operation, a licensee representative stated that this posting and surveillance was also maintained for gamma radiography operations.

4. Records and Surveys

A review of the licensee's utilization records required by 10 CFR 34.27 indicated that those radiation surveys related to the use and storage of licensed material at this job site had been conducted and recorded as required.

The inspector confirmed that a copy of the license, pertinent regulations, and operating and emergency procedures were maintained in the portable darkroom. In addition, it was noted that a current copy of NRC Form 3 was posted in the darkroom.

5. Exit Briefing

The scope and results of the inspection were discussed with Mr. J. Beck, Radiation Safety Officer, telephonically, on November 13, 1990. An informal briefing outlining the inspector's findings was held aboard the lay barge with those persons noted in paragraph 1.