

UNITED STATES

## NUCLEAR REGULATORY COMMISSION

REGION IV

611 RYAN PLAZA DRIVE, SUITE 400 ARLINGTON, TEXAS 76011 8064

ADR 2 0 1994

Docket: 030-32304 License: 43-27362-01

Met-Chem Testing Laboratories of Utah, Inc. ATTN: Wayne Hansen, President 369 West Gregson Avenue Salt Lake City, Utah 84115-3440

SUBJECT: RESPONSE TO NRC INSPECTION REPORT 030-32304/94-01

Thank you for your letter of April 12, 1994, in response to our letter and Notice of Violation dated March 15, 1994. We have reviewed your reply and find it responsive to the concerns raised in our Notice of Violation. We will review the implementation of your corrective actions during a future inspection to determine that full compliance has been achieved and will be maintained.

Sincerely,

Charles Z. Coly

Charles L. Cain, Chief Nuclear Materials Inspection Branch

cc: Utah Radiation Control Program Director

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Met-Chem Testing Laboratories of Utah, Inc.

bcc w/copy of licensee letter: DMB - Original (IE-07) LJCallan SJCollins DDChamberlain RAScarano MMessier, OC/LFDCB (4503) WLFisher CLCain GLGuerra NMIB MIS System RIV Files (2)

RIV:NMIB	C:NMIB VIC	
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RIV:NMIB	C:NMIB VILL	
GLGuerra 6	CLCain	
04/20/94	04/00/94	

April 12, 1994

IET · CHEM TESTING LABORATORIES INC.

Mr. Samuel J. Collins Director U.S. Nuclear Regulatory Commission Division of Radiation Safety and Safeguards Region IV 611 Ryan Plaza Drive - Suite 400 Arlington, Texas 76011-8064

Subject: Response to Notice of Violation #030-32304/94-01 License # 43-27362-01

Dear Mr. Collins:

VIOLATION A:

10 CFR 34.11(d)(1) requires, in part, that an applicant have an inspection program that requires the observation of the performance of each radiographer and radiographer's assistant during an actual radiographic operation at intervals not to exceed 3 months.

License Condition 18 incorporated the inspection program containing the requirements stated in 10 CFR 34.11(d)(1) as submitted in the licensee's application dated September 14, 1992 and the letter dated February 19, 1993, into license 43-27362-01.

Contrary to the above, the licensee had not observed the performance of radiographers and radiographer's assistants involved in radiographic operations at intervals not to exceed 3 months. For example, the performance of three radiographers had not been observed during the respective intervals of August 20, 1993 to January 14, 1994; August 20, 1193 to January 4, 1994; and September 10, 1993 to January 27, 1994. Each of these intervals were in excess of 3 months.

CAUSE: Due to the work load through December 1993 and January 1994, the above incidents were due to oversight.

CORRECTIVE ACTION:

Enclosed is a copy of the radiographers/assistant radiographers recent performance observations (onsite reviews).

94-0769

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Mr. Samuel J. Collins Nuclear Regulatory Commission April 12, 1994 Page Two

FURTHER ACTION: After each on-site has been performed a copy will be inserted into the Assistant Radiation Safety Officer's monthly review book. At the start of each month she will pull the paperwork that needs to be taken care of for that month. If the on-site falls near the first of a month, it will be put in with the paperwork for the month before.

DATE FOR COMPLIANCE:

Immediately

VIOLATION B: 10 CFR 71.5(a) requires that a licensee who transports licensed material outside of the confines of its plant or other place of use, or who delivers licensed material to a carrier for transport, comply with the applicable requirements of the regulations appropriate to the mode of transport of the Department of Transportation (DOT) in 49 CFR Parts 170 through 189.

> 49 CFR 172.403(c) defines the categories of labels to be applied to radioactive materials packages and requires, in part, that: (1) packages with a transport index (T.I.) less than or equal to 1.0 be labeled "Yellow-II" and (2) packages with a T.I. greater than 1.0 be labeled "Yellow-III:.

> Contrary to the above, between January 31 and February 26, 1994, the licensee transported outside the confines of its plant 100 curies of cobalt-60 in a package that was improperly labeled. Specifically, the package had a "Yellow-II" label and marked with a T.I. of 1 when a T.I. of 4 had been previously measured and also confirmed during the inspection. This package should have been labeled "Yellow-III".

CAUSE: Miscommunication between the radiographer, who measured the shipping container and cobalt-60 camera after it was delivered to Met-Chem, and the Radiation Safety Officer. The Radiation Safety Officer thought the radiographer was talking about the camera itself and called Amersham at which time he was told the camera could be shipped in the crate which would make it a Yellow-II. However, it was the crate which should have been marked as Yellow-III.

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The radiographer who took the cobalt-60 out into the field should have also told the Radiation Safety Officer that the crate was improperly marked. However, when transporting the crated camera he measured the outside of the special trailer, our transport container for cobalt cameras, placing it in the Yellow-II category (see enclosed copy of his Utilization Log/Transportation Document).

CORRECTIVE ACTION:

The proper stickers (Yellow-II) have been placed on our cobalt transport container (trailer) and the radiographers and assistant radiographers have been instructed to make sure these stickers are in place before transporting a cobalt camera.

Radiographers and radiation safety personnel have also been re-instructed to report any discrepancy between radiation readings taken upon receipt of a radioactive source and those recorded by the shipper immediately to the Radiation Safety Officer and make sure he understands exactly what the discrepancy is.

FURTHER ACTION:

The Radiation Safety Officer or Assistant Radiation Safety Officer will double check all paperwork on sources received to make sure all paperwork/sources from a supplier and internal paperwork are in compliance before transporting outside the confines of Met-Chem's plant.

DATE OF COMPLIANCE: Immediately.

CHEM TESTING LABORATORIES ofnston President/General Manager

DRJ/sh Enclosures

## **ON-SITES**

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Anderson, Blake	1-31-94	4-31-94	4-12-94	7-12-94						
Bingle, E. Joseph	3-4-94	6-4-94	4-6-94	7-6-94						
Carey, James	3-2-94	6-2-94								
Dyal, Gary	3-9-94	6-9-94								
Fitzgerald, Robert	3-7-94	6-7-94	4-12-94	7-12-94						
Hamilton, Greg	3-2-94	6-2-94			1 3.	25-94				
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\* Out starting point must be less than 10 MR. \*\* If total is in excess of 50 MR complete other side.

SC = Shield code W = Tungsten FE = Steel C = Concrete PE = Lead D = Other ""Surveys must be made and recorded each time locations or conditions change

HAZ	ARDOUS MATERIAL TR	ANSPORTATION DOCUMENTATION
	HE FOLLOWING MUST BE COMPLETED AS RE	EQUIRED PRIOR TO TRANSPORTING HAZARDOUS MATERIALS.
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