



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION IV

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

MAR 30 1994

Docket: 030-20836
License: 25-21479-01

Mattingly Testing Services, Inc.
ATTN: Mark Mattingly
Radiation Safety Officer
P.O. Box 3126
Great Falls, Montana 59403

SUBJECT: NRC INSPECTION REPORT 030-20836/94-01

Thank you for your letter of March 21, 1994, in response to our letter and Notice of Violation dated February 23, 1994. We have reviewed your reply and find it responsive to the concerns raised in our Notice of Violation. Also, we have decided to rescind Violation B in light of the additional information you provided. 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 L. Cain

Charles L. Cain, Chief
Nuclear Materials Inspection Branch

CC:
Montana Radiation Control Program Director

9404050121 940330
PDR ADOCK 03020836
C PDR

IF07
1/1

Mattingly Testing Services, Inc. -2-

bcc w/copy of licensee's letter dated March 21, 1994:
DMB - Original (IE-07)
LJCallan
SJ Collins
RAScarano, WCFO
LWCamper
MMessier, OC/LFDCB (4503)
WLFisher
CLCain
GLGuerra
NMIB
MIS System
RIV Files (2)

RIV:NMIB <i>GLG</i>	C:NMIB <i>CLC</i>			
GLGuerra:nh	CLCain			
<i>3/29/94</i>	<i>3/29/94</i>			

Mattingly Testing Services, Inc. -2-

bcc w/copy of licensee's letter dated March 21, 1994:

DME - Original (IE-07)

LJCallan

SJ Collins

RAScarano, WCFO

LWCamper

MMessier, OC/LFDCB (4503)

WLFisher

CLCain

GLGuerra

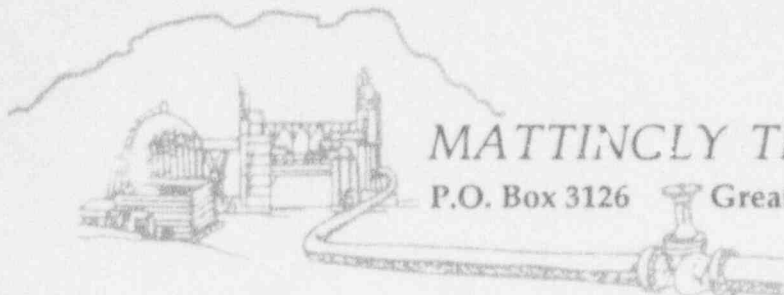
NMIB

MIS System

RIV Files (2)

RIV:NMIB <i>GL</i>	C:NMIB <i>GL</i>			
GLGuerra:nh	CLCain			
3/29/94	3/29/94			

040623



MATTINGLY TESTING SERVICES, INC.

P.O. Box 3126 Great Falls, Montana 59403 • (406) 264-5471

March 21, 1994



U.S. Nuclear Regulatory Commission
Document Control Desk
Washington D.C. 20555

Subject: **Response to Notice of Violation**
RE: Docket Number 030-20836
License: 25-21479-01

ATTN: Document Control Desk

The following is Mattingly Testing Services Inc.'s response to NRC letter dated February 23, 1993, Notice of Violations. Specific action taken in response to notification are listed along with attachments of report changes and information necessary to ensure compliance with NRC regulator requirements.

Item A

New Alarming Rate Meters were purchased in June of 1993 to replace the existing model 18C's

We have modified our Radiation Survey & Daily Inspection Reports to include an area to record the radiographers or assistant Radiographers rate meter serial number and calibration due date (copy attached). This will keep our radiographers aware of the calibration due date as well as the radiation safety officer who reviews and files the report.

Item B

After our inspection by the NRC in April of 1993 some of the records were removed from the file and placed in storage. Both radiographers have been Employed prior to this inspection as the dates on their tests show. These tests were in storage and I didn't think to look there while the inspectors were here (copies of front page of test attached).

~~9403250231~~

94-0676



Item C

1) All radiographic exposure devices were checked for the Yellow II or Yellow III Labels and only the one was found to be wrong. This label was replaced with a new label and the exposure device resurveyed for the current Transportation Index.

2) Also each Shipping Container, and Exposure Device was checked for the "RQ". All were updated by adding the "RQ" to each item as required.

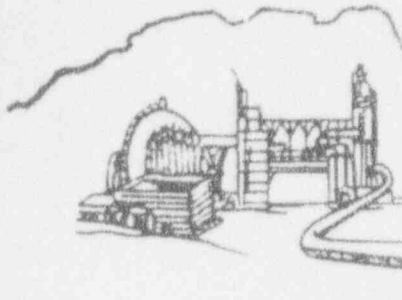
Our Transportation Certificate has been modified to include the "RQ" as required (copy attached).

All of the above violations have been corrected as of this date. New Radiation Survey and Daily Inspection Reports and Transportation Certificates are in use.

Sincerely,

Mark M. Mattingly R.S.O.

cc NRC
Regional Administrator, Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, Texas 76011-8064



MATTINGLY TESTING SERVICES, INC.

P.O. Box 3126 Great Falls, Montana 59403 • (406) 264-5471

TRANSPORTATION CERTIFICATE FOR RADIOACTIVE MATERIALS

Date _____ Time _____

Destination _____

NATURE AND QUANTITY OF CONTENT					PACKAGE			
PROPER SHIPPING NAME	RADIONUCLIDE	CLASS	FORM	ACTIVITY		CATAGORY	TRANSPORT INDEX	TYPE
FOR U S SHIPMENTS	NAME OR SYMBOL OR PRINCIPAL RADIOACTIVE CONTENTev		CHEMICAL FORM AND PHYSICAL STATE (GAS/LIQUID/SOLID), OR SPECIAL FORM OR SPECIAL ENCAPSULATION	NUMBER OF CURIES OR GBq's	NUMBER OF PACKAGES	I - WHITE OR II - YELLOW OR III - YELLOW LABEL	FOR YELLOW LABEL CATEGORIES ONLY	INDUSTRIAL OR TYPE A OR TYPE B
RADIOACTIVE MATERIALS, SPECIAL FORM (n.o.s.) R.Q. IATA Article #2129	IR 192	CLASS 7	SPECIAL FORM			CIRCLE ONE YELLOW II OR YELLOW III	READING AT 1 METER (39 INCHES) MR/tr	CIRCLE ONE TYPE A OR TYPE B

I hereby certify that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, labeled and in proper condition for transportation according to applicable national government regulations.

SIGNATURE _____



MATTINGLY TESTING SERVICES, INC.

RADIATION SURVEY & DAILY INSPECTION REPORT

CHECK EACH ITEM BELOW

CUSTOMER _____ DATE _____

LOCATION _____

SOURCE OF RADIATION

IR-192 CO-60 X-RAY

ACTIVITY OF SOURCE _____ CURIE _____ GBq _____

Source SN _____

EXPOSURE DEVICE _____ SN _____

MODEL NO. _____ SN _____

SURVEY INSTRUMENT MODEL NO. _____

SN _____ CAL. DUE DATE _____

RADIOGRAPHIC EQUIPMENT INSPECTION IN ACCORDANCE WITH MATTINGLY TESTING SERVICES, INC. O AND E PROCEDURE DAILY CHECKLIST

INSPECTION COMPLETED BY _____

RECORD OF PHYSICAL SURVEY MADE TO DETERMINE SOURCE IS IN SHIELDED POSITION PRIOR TO SECURING EXPOSURE DEVICE.

IR-192 _____ WORK @ _____ FT : FROM SURFACE

CO-60 _____ WORK @ SURFACE OF EXPOSURE DEVICE

TOTAL EXPOSURE TIME FOR THIS DAY _____ HRS _____ MINS

PERSONNEL INFORMED _____

RADIOGRAPHER _____ RADIOGRAPHERS ASSISTANT _____

SERIAL NO. OF DOSIMETER _____ CAL. DUE DATE _____

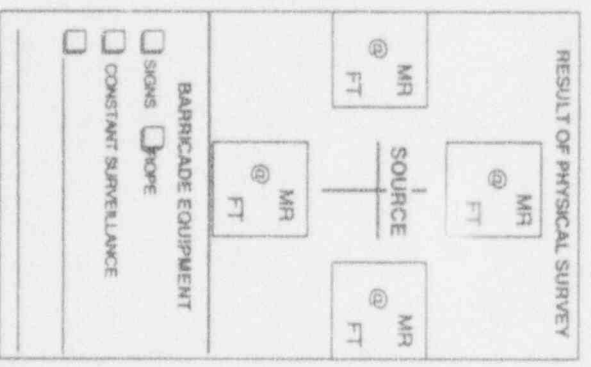
AND _____ AND _____ CAL. DUE DATE _____

IR RECORDED START _____ FINISH _____ MTR START _____ FINISH _____ MTR

ALARM RATE _____ CAL. DUE DATE _____

WETTER SW _____ MTR START _____ FINISH _____ MTR

FILM BADGE _____ AND SERIAL NO. _____ AND _____



ITEM	Acceptable	CORRECTIVE ACTION TAKEN
SOURCE PROJECTOR		
Safety Caps		
Lock		
Handle		
Labels		
Outlet Nipple & Threads		
Snug Fit		
Straightness		
Excessive Wear		
Pull Test		
Handle		
Gear Box		
Screws		
Conduit Connections		
Cable Flexibility		
Straightness		
Physical Damage		
End Cap		
Foreign Material		
Connections		
Kinks and Crimps		
SOURCE POSITIONER		
SOURCE TUBE		

Remarks _____

Driver's Seat _____ Outside Surface _____ 10' from Storage Container _____

SURVEY OF TRANSPORTING VEHICLE

WARNING - INTENTIONAL FAILURE TO RECORD INFORMATION ACCURATELY ON THIS FORM CAN RESULT IN A FINE AND/OR DISCIPLINARY ACTION.



MATTINGLY TESTING SERVICES, INC.

Name DARIN R. HANCOCKDate MARCH 15, 1993Examiner Burt KSHScore 92%

RADIOGRAPHER'S QUESTIONS

1. Name the basic fundamentals of radiation safety. (3)
Time Distance Shielding
2. What are the three types of rays emitted by IR-192? (2) *-4 92%*
GAMMA ALPHA BETA
3. What is the difference between x-rays and gamma rays of the same energy? (1)
 - a. Wave length.
 - b. Velocity.
 - c. Frequency.
 - d. Origin.
4. The time required for one-half of the atoms in a particular sample of radioactive material to disintegrate is called: (2)

ERIC W. ENGBL

1/29/93

EXHIBIT J

RADIOGRAPHER'S QUESTIONS

1. Name the basic fundamentals of radiation safety. (3)
Time, Distance, Shielding
2. What are the three types of rays emitted by IR-192? (2)
GAMMA, BETA, ALPHA
3. What is the difference between x-rays and gamma rays of the same energy? (1)
 - a. Wave length.
 - b. Velocity.
 - c. Frequency.
 - d. Origin.
4. The time required for one-half of the atoms in a particular sample of radioactive material to disintegrate is called: (2)
 - a. The Inverse Square Law.
 - b. The curie.
 - c. A half life.
 - d. The exposure time.

-1
98%