



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

REGION IV

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

May 8, 1997

Ned Gregorio, Radiation Safety Officer  
Nuclear Pharmacy of Idaho, Inc.  
6225 Overland Road  
Boise, Idaho 83709

SUBJECT: RESPONSE TO NRC INSPECTION REPORT 030-32223/97-01 AND NOTICE OF VIOLATION

Dear Mr. Gregorio:

Thank you for your letter of April 17, 1997, in response to our letter and Notice of Violation dated March 18, 1997. 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,

Linda L. Howell, Chief  
Nuclear Materials Inspection and  
Fuel Cycle/Decommissioning Branch

Docket No.: 030-32223  
License No.: 11-27411-01

cc:  
Idaho Radiation Control Program Director

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PDR ADOCK 03032223  
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## BOISE CITY PHARMACY

6225 Overland Road • Boise, Idaho 83709  
P.O. Box 6680 • Boise, Idaho 83707  
(208) 375-2170 • 1-800-439-2170 • FAX (208) 375-0308

April 17, 1997

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

RE: Reply to a Notice of Violation

### A. Radioactive Waste Disposal

Upon review of the documents, the individuals who performed the record-keeping activities related to these two violations are no longer employed by Nuclear Pharmacy of Idaho. In both instances, the cause of the violation is a lack to follow procedures. The reason for this was the lack of attention to detail while disposing of radioactive material. Corrective actions that will be taken will be to name one or two individuals responsible for radioactive waste disposal and record-keeping. Additional reading and training will be given to these individuals in these areas so that they are more familiar with the procedure, radioisotopes, and record-keeping. Full compliance is expected to be achieved by June 1997.

### B. Daily Radioisotope Dose Calibrators

Upon review of the documents, the individuals who performed the record-keeping activities related to these two violations are no longer employed by Nuclear Pharmacy of Idaho. The cause of the violation was the lack to follow procedures which was a result of inadequate time to carry out the testing. Corrective actions that will be taken include a change in employee responsibilities so that the individual responsible for performing these test have less overall responsibilities so they may more fully perform and record these tasks. Compliance is expected to be achieved by June 1997..

Our facilities comply report for 1996 is enclosed. We committed to evaluate our airborne effluents during the inspection process.

If you have any further questions, please don't hesitate to call.

97-0943

9704220265

Sincerely,

*Ned Gregorio*

Ned Gregorio, RSO

cc: Regional Administrator U.S. N.R.C. Region IV 611 Ryan Plaza Drive Suite 400 Arlington, Texas  
76011

40 CFR Part 61  
National Emission Standards  
for Hazardous Air Pollutants

REPORT ON COMPLIANCE WITH  
THE CLEAN AIR ACT LIMITS FOR RADIONUCLIDE EMISSIONS  
FROM THE COMPLY CODE, VERSION 1.5d

Prepared by:

Nuclear Pharmacy of Idaho

6225 Overland Road, Boise, Idaho 83709

Ned Gregorio  
208-375-1255

Prepared for:

U.S. Environmental Protection Agency  
Office of Radiation Programs  
Washington, D.C. 20460

COMPLY: V1.53.

4/11/97 4:30

-----  
SCREENING LEVEL 2  
-----

DATA ENTERED:  
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Nuclide		Release Rate (curies/YEAR)
-----		-----
TC-99M	D	1.060E+00
CO-57	Y	6.500E-08
CR-51	Y	6.000E-06
GA-67	W	5.100E-04
I-123	D	3.500E-05
I-131	D	4.320E-04
IN-111	W	1.550E-04
SR-89	Y	2.100E-04
P-32	W	2.000E-05
TL-201	D	6.000E-03
MO-99	Y	4.800E-04

Release height 5 meters.

Building height 4 meters.

The source and receptor are not on the same building.

Distance from the source to the receptor is 20 meters.

Building width 25 meters.

Default mean wind speed used (2.0 m/sec).

NOTES:  
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Input parameters outside the "normal" range:

None.

COMPLY: V1.5d.

4/11/97 4:30

RESULTS:

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Effective dose equivalent:

9.2 mrem/yr.

Effective dose equivalent:

6.4 mrem/yr due to Iodine.

\*\*\* Failed at level 2.



COMPLY: V1.5d.

4/11/97 4:30

-----  
SCREENING LEVEL 3  
-----

DATA ENTERED:  
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Distance from the SOURCE to the FARM producing  
VEGETABLES is 8000 meters.

Distance from the SOURCE to the FARM producing  
MILK and MEAT is 8000 meters.

NOTES:  
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Input parameters outside the "normal" range:

Milk and meat farm is unusually FAR.  
Vegetable farm is unusually FAR.

RESULTS:  
-----

Effective dose equivalent: 2.2 mrem/yr.

Effective dose equivalent: 9.4E-02 mrem/yr due to Iodine.

\*\*\* Comply at level 3.

-----  
SCREENING LEVEL 4  
-----

DATA ENTERED:  
-----

Distance from the SOURCE to the FARM producing  
MILK is 8000 meters.

Distance from the SOURCE to the FARM producing  
MEAT is 8000 meters.

NOTES:  
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Input parameters outside the "normal" range:

Meat farm is unusually FAR.  
Milk farm is unusually FAR.  
Vegetable farm is unusually FAR.

RESULTS:  
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Effective dose equivalent: 0.8 mrem/yr.

Effective dose equivalent: 9.1E-02 mrem/yr due to Iodine.

\*\*\* Comply at level 4.

This facility is in COMPLIANCE.

It may or may not be EXEMPT from reporting to the EPA.

You may contact your regional EPA office for more information.

\*\*\*\*\* END OF COMPLIANCE REPORT \*\*\*\*\*