

SAFETY INSPECTION

| | | | |
|--|-------------------------------------|---|--|
| 1. LICENSEE Walashek Enterprises, Inc. 607 Ala Moana, Pier 1 Honolulu, HI 96813 | | 2. REGIONAL OFFICE U. S. Nuclear Regulatory Commission Region V 1450 Maria Lane, Suite 210 Walnut Creek, CA 94596 | |
| 3. DOCKET NUMBER(S) 030-20386 | 4. LICENSE NUMBER(S) 53-23225-01 | 5. DATE OF INSPECTION May 2-3, 1990 | |

Licensee

The inspection was an examination of the activities conducted under your license as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission's (NRC) rules and regulations and the conditions of your license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector. The findings as a result of this inspection are as follows:

1. Within the scope of this inspection, no violations were observed.

2. The inspector also verified the steps you have taken to correct the violations identified during the last inspection. We have no further questions on those actions at this time.

3. During this inspection certain of your activities, as checked below, were in violation of NRC requirements.
THIS IS A NOTICE OF VIOLATION which is required to be posted in accordance with 10 CFR 19.11.

A. _____ was not properly posted to indicate the presence of a _____ 10 CFR 20.203(b), (c), (d), (e) or 34.42

B. Containers located in _____ were not properly labeled to indicate the presence of radioactive material. 10 CFR 20.203(f)(1), or (f)(2).

C. _____ of sealed sources were not performed at the proper frequencies. 10 CFR _____ License Condition Number _____

D. Records of _____ were not properly maintained 10 CFR _____ or License Condition Number _____

E. Documents were not properly posted or otherwise made available. 10 CFR 19.11.

F. Reports or notifications of _____ were not made in accordance with 10 CFR _____ or License Condition Number _____

H. *The high radiation areas had not been posted on several occasions during the field operation conducted on May 3, 1990.*

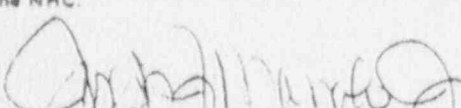


I. _____

J. _____

K. _____

9006120068-900311
REQ-11630
53-23225-01 PDC

I hereby state that within 30 days the actions described by me to the inspector will be taken to correct the violations identified in the items checked above. This statement of corrective actions is made in accordance with the requirements of 10 CFR 2.201. No further response will be submitted unless required by the NRC.

| | | | |
|---|-----------------|---|--|
|  SIGNATURE - LICENSEE | 5/21/90 DATE |  SIGNATURE - NRC INSPECTOR |  5/11/90 DATE |
|---|-----------------|---|--|

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E. Documents were not properly posted or otherwise made available. 10 CFR 19.11.

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H. The high radiation area had not been posted on several occasions during the field operation conducted on May 3, 1990.

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J. Frank Pang
SIGNATURE - NRC INSPECTOR

5/11/90
DATE

Type of License: Radiography
Licensee: Walsh Enterprises, Inc.

License No.: 53-23225-01
Docket No.: 030-20386

PERFORMANCE EVALUATION FACTORS

- Failure of Isotope Committee (or certain key members thereof) to meet or discuss meaningful issues for a Broad Scope type license.
- RSO too busy with other assignments (RSO spending less than 25% of time).
- Lack of involvement of senior management to oversee RSO performance (management unaware of operations).
- Inadequate consultant service (consultant not finding any problems but NRC does).
- Insufficient technologist/authorized user/radiation safety staffing for licensed program workload.
- Program not being audited by management or the Radiation Safety Committee.

ACTIONS TAKEN

- Notice of Violation Letter with Severity Levels III , IV , V .
- NRC Form 591 Clear , Violations 1.
- Telephone Call to Licensee
- Management Meeting with Licensee
- Enforcement Conference with Licensee
- Escalated Enforcement (Civil Penalty)
- Early reinspection required. Date _____.

INSPECTOR'S COMMENTS

The RSC appears to be a conscientious person.
 The overall radiation safety program appears to be
 in good shape.

J.F. Pined
Inspector

May 2-3, 1990
Inspection Date

[Signature]
Section Chief

6/6/90
Date

INSPECTORS

| | | | | | | | |
|--|--|---|--|------------|------------|------------------|----|
| LICENSEE/VENDOR | | TRANSACTION TYPE | DOCKET NO. # (Type) OR LICENSE NO. (BY PRODUCT) (Type) | REPORT NO. | REPORT SAG | NEXT INSPEC DATE | |
| Walshak Enterprises, Inc. 607 ALA MOANA, PIER 1 HONOLULU, HAWAII 96813 | | I - INSERT M - MODIFY D - DELETE R - REPLACE | 036-20386 | 7021 | A | 05 | 91 |

| | | | | | | | | | | | | | | | | | |
|------------------------------------|-----|-----|-----|-----|-----|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--|---|----------|--|--------|--|
| PERIOD OF INVESTIGATION/INSPECTION | | | | | | INSPECTION PERFORMED BY | | | | | | ORGANIZATION CODE OF REGION/NO CONDUCT. NO ACTIVITY (See EDC 6530 "Ins-power Report" and "Weekly Manpower Reporting" for code) | | | | | |
| FROM | | | TO | | | REGIONAL OFFICE STAFF | | | OTHER | | | REGION | | DIVISION | | BRANCH | |
| MO. | DAY | YR. | MO. | DAY | YR. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 5 | C | D | | | |
| 04 | 30 | 90 | 05 | 02 | 90 | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|--|--|--|---|--|--|--|-----------------|--|--|--|----------------------|--|--|--|--------------------|--|--|--|
| REGIONAL ACTION (Check one box only) | | | | TYPE OF ACTIVITY CONDUCTED (Check one box only) | | | | | | | | | | | | | | | |
| 1 - NRC FORM 891 | | | | 62 - SAFETY | | | | 68 - MGMT. VENT | | | | 70 - PLANT SEC. | | | | 74 - INQUIRY | | | |
| 2 - REGIONAL OFFICE LETTER | | | | 63 - INCIDENT | | | | 67 - SPECIAL | | | | 71 - INVENT. VER. | | | | 75 - INVESTIGATION | | | |
| | | | | 64 - ENFORCEMENT | | | | 69 - VENDOR | | | | 72 - SHIPMENT/EXPORT | | | | | | | |
| | | | | 65 - MGMT AUDIT | | | | 69 - MAT. ACCT. | | | | 73 - IMPORT | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|---|--|---|--|-----------------------------|--|---|--|---------------------------------|--|---|--|-----------------------------------|--|---|--|-----|--|-----|--|-----|--|-----|--|-----|--|-----|--|
| INSPECTION/INVESTIGATION FINDINGS (Check one box only) | | | | TOTAL NUMBER OF VIOLATIONS AND DEVIATIONS | | | | ENFORCEMENT CONFERENCE HELD | | | | REPORT CONTAINS LTR INFORMATION | | | | LETTER OR REPORT TRANSMITTAL DATE | | | | | | | | | | | | | | | |
| 1 - CLEAR | | | | A | | B | | C | | D | | A | | B | | C | | D | | MO. | | DAY | | YR. | | MO. | | DAY | | YR. | |
| 2 - VIOLATION | | | | 011 | | | | | | | | | | | | | | | | 05 | | 11 | | 90 | | | | | | | |
| 3 - DEVIATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 - VIOLATION & DEVIATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| VIC # | MODULE INFORMATION | | | | | | | | | | VIC Q# | MODULE INFORMATION | | | | | | | | | | | | | | | | | | | |
|-------|----------------------------------|-------|----------------|------------------|-------|------|----------|--|------------------------------|--------|--------|-----------------------|-------|----------------|------------------|-------|------|----------|--|------------------------------|--------|---|---|---|---|---|---|---|---|---|---|
| | NUMBER | PHASE | MANUAL CHAPTER | PROCEDURE NUMBER | LEVEL | STG# | PRIORITY | DIRECT INSPECTION EFFORT IN STAFF HOURS EXPENDED THIS INSPECTION | PERCENTAGE COMPLETED TO DATE | STATUS | | NUMBER | PHASE | MANUAL CHAPTER | PROCEDURE NUMBER | LEVEL | STG# | PRIORITY | DIRECT INSPECTION EFFORT IN STAFF HOURS EXPENDED THIS INSPECTION | PERCENTAGE COMPLETED TO DATE | STATUS | | | | | | | | | | |
| | 5 | 9 | 2 | 7 | 0 | 2 | | 0 | 9 | 1 | | 5 | 8 | 3 | 8 | 2 | 2 | | 0 | 0 | 2 | 3 | P | C | | | | | | | |
| | Follow up on Previous Violations | | | | | | | | | | | Radiation Protection | | | | | | | | | | | | | | | | | | | |
| | 5 | 3 | 0 | 7 | 0 | 3 | | 0 | 0 | 1 | | 5 | 9 | 2 | 7 | 0 | 3 | | | | | | | | | | | | | | |
| | Management Meeting Entrance/Exit | | | | | | | | | | | Bulletin/IAP Followup | | | | | | | | | | | | | | | | | | | |
| | 5 | 8 | 7 | 1 | 0 | 0 | | 0 | 0 | 7 | 1 | 0 | 0 | 0 | C | | 5 | 8 | 6 | 7 | 4 | 0 | 1 | | 0 | 0 | 1 | 1 | 0 | 0 | C |
| | Materials Inspection Program | | | | | | | | | | | Transportation | | | | | | | | | | | | | | | | | | | |
| | 6 | 8 | 3 | 8 | 9 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Close out Inspection | | | | | | | | | | | 10 CFR 61 | | | | | | | | | | | | | | | | | | | |

INSPECTOR'S REPORT
 (Continuation)
 Office of Inspection and Enforcement

| | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|----------|---|---------------|---|------|---------------------------------|---|---|---|---|---|---|---|---|
| DOCKET NO. (If applicable) OR LICENSE NO. (BY PRODUCT) (13 digits) | | | | | | REPO NO. | | MODULE NUMBER | | | | | | | | | | | |
| 0 | 3 | 0 | - | 2 | 0 | 3 | 8 | 6 | 9 | 0 | 6 | 1 | 5 | 8 | 7 | 1 | 1 | 1 | 1 |
| | | | | | | | | | | SEQ. | VIOLATION SEVERITY OR DEVIATION | | | | | | | | |
| | | | | | | | | | | A | 1 2 3 4 5 6 | | | | | | | | |
| | | | | | | | | | | B | Sup | | | | | | | | |
| | | | | | | | | | | C | | | | | | | | | |
| | | | | | | | | | | D | | | | | | | | | |

VIOLATION OR DEVIATION (Enter up to 2400 characters for each item. If the text exceeds this number, it will be necessary to paraphrase. Limit lines to 80 characters each.)

Contrary to 10CFR 20.2013(c)(1), the high radiation areas had not been posted on several occasions during the field operation on May 3, 1996.

6 Mar 90

Report No. 90-01Docket No. 030-06638License No. 46-03414-03Safeguards Group _____ Priority 1 Category 3320Licensee: X-Ray, Inc
7500 Perimeter Rd
Seattle, WA 98108Facility Name: X-Ray IncInspection at: Seattle, Wa.Inspection conducted: 6 Mar 90Inspectors: Paul R Zurakowski 14 Mar 90
DateApproved by: [Signature] _____
Date_____ 4/30/90
DateSummary: Inspection of March 6, 1990 (Report No 30-06638/90-01)Areas Inspected: Module 30703, Management Meetings; Module 87100, Materials Inspection Program; Module 92702, follow up on previous violation; Module 86740, Transportation; Module 83822, Radiation Protection.Result: of the areas inspected there was one violation of an NRC Regulation. Paragraph 18(f) should be consulted for more information.

B/16.

GUIDANCE FOR INSPECTION PROCEDURE 87100

INDUSTRIAL RADIOGRAPHY INSPECTION FIELD NOTES

Inspection Report No. 90-01

License No. 46-03414-03

Licensee (name and address)

Docket No. 030-06638

X-Ray, Inc
2500 Perimeter Rd
Seattle, WA 98108

Licensee Contact. Mr. Lee Connel, RSO

Telephone No. 206-763-1919

Last Amendment No. 13

Date of Amendment. Aug 29, 1988

Priority: I Program Code () 03310 - Fixed () 03320 - Temporary

Date of Inspection 6 Mar 90

Type of Inspection { } Announced { } Initial
{ } Unannounced { } Special
Next Inspection Date Mar 91 (Normal) () Extended () Reduced
{ } Reinspection

Summary of Findings and Action:

- () No Noncompliance, Clear 591 issued
- () Action on Previous M/C
- () Noncompliance, 591 issued
- () Regional Action
- () HQ Action

Personnel Contacted

* Those present at exit interview.

- * 1. Mr. Lee Connel, President & RSO
- * 2. Mr. Bill Richmond, V.P. & Assist RSO
- 3. Mr. Jim Waddilove, Assist. Lab SUP.

Inspector Paul R. Zwickowski
(Signature)

14 Mar 90
(Date Signed)

Approved [Signature]
(Signature)

9/30/90
(Date Signed)

1.

ORGANIZATION

a. Management Structure

see back pages

b. Administrative structure meets license requirements.

() Yes () No [L/C] [34.11(e)] *The management structure has been very stable for many years.*
Remarks.

c. Individuals identified in the license as being responsible for the programs still hold those positions. () Yes () No
Remarks.

d. Radiography Personnel

Radiographers

Radiographer's Assistants

see attached

(continue d., if needed, on paragraph 22.)

2.

INSPECTION HISTORY

a. Item(s) of noncompliance or deviations noted during last inspection conducted on 8 Nov 88 () Yes () No

Corrected by letter dated 16 Nov 88

| <u>Requirement</u> | <u>Severity</u> | <u>Corrected</u> | <u>Status</u> |
|--|-----------------|------------------|---------------|
| <i>failure to evaluate lost film badges in writing</i> | <i>4</i> | <i>yes</i> | <i>closed</i> |
| | | | |
| | | | |

(continue b., if needed, on paragraph 22.)

c. If any item(s) of noncompliance or deviations noted during last inspection were not corrected, explain.

N/A

(continue c., if needed, on paragraph 22.)

3. SCOPE OF PROGRAM The licensee had only six jobs under NRC jurisdiction since ^{one} last inspection. However, they have a large program under their State of WA license.

4. TRAINING, RETRAINING AND SUPERVISION OF RADIOGRAPHY PERSONNEL

a. Radiographers and Assistants named in license. (✓) Yes () No

b. Radiographer's Assistant under direct supervision of a Radiographer. (✓) Yes () No [34.44]

Remarks. However, most people hired by the licensee are fully qualified Radiographers.

c. Approved training program. (✓) Yes () No

d. Deficiencies noted. () Yes (✓) No [L/C]
Remarks.

e. Training provided by. Various Technical Schools & RSO & Assist RSO
i.e. & T yearly Seminar
(American Soc for Nondestructive Testing)

f. Written tests. (✓) Yes () No

g. Oral tests. (✓) Yes () No

h. Radiographers completed field examination. [34.31)a)(4) and (b)(3)] (✓) Yes () No

i. Record of test results. (✓) Yes () No [34.31(c)]
Remarks.

j. Test results reviewed by NRC inspector. (✓) Yes () No

k. Radiographer completed on-the-job training. [34.11(b)(3)]
(✓) Yes () No
Remarks.

l. Retraining program required by License Condition. (✓) Yes () No

m. Periodic training. (✓) Yes () No
See 4(e) above

n. Retraining program implemented: (✓) Yes () No [L/C]
Remarks.

o. Records of retraining reviewed. (✓) Yes () No

- p. Instruction to workers in accordance with 19.12.
() Yes () No
Remarks.

5. INTERNAL AUDITS OR INSPECTIONS

- a. Audits or inspections conducted at 3-month intervals in accordance with 34.11(d). (✓) Yes () No [L/C]
Remarks.
- b. Records maintained. (✓) Yes () No [L/C]
Remarks.

6. INSPECTION AND MAINTENANCE OF DEVICES, CONTAINERS, AND CHANGERS

- a. Included in Operating and Emergency Procedures.
(✓) Yes () No [34.32(j)]
Remarks.
- b. Equipment check prior to use each day. (✓) Yes () No [34.28(a)]
Remarks.
- c. Equipment check at 3-month intervals. (✓) Yes () No [34.28(b)]
Remarks.
- d. Record of results maintained. (✓) Yes () No [34.28(b)]
Remarks.

7. MRC REGULATIONS, LICENSE AND OPERATING AND EMERGENCY PROCEDURES

- a. Parts 19, 20, and 34; the license; and Operating and Emergency Procedures furnished to all radiographers and radiographer's assistants. (✓) Yes () No [34.31(a)(2)]
Remarks.
- b. Operating and Emergency Procedures approved by MRC. [34.11(c)]
(✓) Yes () No

8. UTILIZATION LOG

a. Utilization log maintained. () Yes () No [34.27]

Remarks.

b. Utilization log contains all required information. () Yes

() No [34.27(a),(b),(c)]

Remarks.

9. QUARTERLY INVENTORIES

a. Quarterly physical inventories conducted. () Yes () No

[34.26]

Remarks.

b. Quarterly inventories contain all information. () Yes () No

[34.26]

Remarks.

c. Materials possessed authorized by the license. () Yes () No

Remarks.

d. Byproduct Material inventory on. 1/1/90

Source

Changer

Model #

Quantity

Isotope

Source S/N

Camera Model

S/N

see attached list

e. Procurement and use of byproduct material in accordance with license requirements. () Yes () No [L/C]

Remarks.

10. MATERIALS, FACILITIES AND EQUIPMENT

a. Fixed Facility.

1) As described in application dated _____, Report dated _____, or _____

N/A

N/A
(a). Cell(s) interlocked [20.203(c)(2)(i)] () Yes () No

(b). Cell(s) controlled in accordance with 20.203(c)(2)(ii) or (iii). [34.29(b)] () Yes () No
Remarks.

(2) Entrance controlled in accordance with 20.203(c)(2).
() Yes () No [20.203(c)(2)]
Remarks.

(3) Exit in accordance with 20.203(c)(3). () Yes () No
[20.203(c)(3)]
Remarks.

(4) Surveillance or locked to prevent unauthorized entry.
() Yes () No [20.203(c)(4), 34.41]
Remarks.

(5) Visible and audible signals to warn of the presence of radiation: () Yes () No [34.29(b)]
(a) Alarms operated correctly; i.e., visible due to radiation; audible when entrance attempted during source exposure. [34.29(b)]
Remarks.

(6) Alarm system tested at 3 month intervals. () Yes () No
[34.29(c)]
Remarks.

(7) Record of alarm system test. () Yes () No [34.29(c)]
Remarks.

(8) Radiographic exposure devices and storage containers meet radiation level limits of 34.21. () Yes () No [34.21]
Remarks.

b. Storage Area.

(1) Sources locked in device. (✓) Yes () No [34.22(a)]
Remarks.

(2) Storage devices meet radiation levels (Yes () No
[34.21]
Remarks.

(3) Devices secured to prevent unauthorized removal from an
unrestricted area. (Yes () No [20.207]
Remarks.

c. Field Location

(1) Field work authorized. (Yes () No [L/C]
Remarks.

(2) Field inspection conducted. () Yes (No

(3) Proper postings (signs) ropes, etc., available as required
by regulations or license. (Yes () No
Remarks.

*these are stored on the Radiography Trucks
that go to the field job sites*

d. Survey Meters

(1) Calibrated and operable meters available and used:
(Yes () No [34.43(c)]
Remarks.

(2) Type and number available.

*~ 20 instruments Victor 492, 592, Eberline 150
Smith MD 2000*

(3) 2 mR/hr through 1 R/hr can be measured. (Yes () No
[34.24]
Remarks.

(4) Calibrated by. W. Morgan Co

(5) Calibration method authorized. (Yes () No [L/C]
Remarks.

(6) Calibrated at 3-month intervals. (Yes () No [34.24]
Remarks.

e. Special Equipment (shields, collimators, etc.)

Remarks. *These are available & used whenever possible*

11. PERSONNEL MONITORING

a. Film or TLD badge supplier. US Testing Frequency Monthly [L/C]

b. Reports reviewed by: RSO Frequency: Monthly

c. NRC inspector reviewed personnel monitoring records for period last report to present

d. License exposure limit. 1.25 R/Quarter 3 R/Quarter

e. NRC forms or equivalent.

(1) NRC-4. Yes () No Complete.* Yes () No
* Must be completed before individuals receive more than 1.25 rems per calendar quarter.

(2) NRC-5. Yes () No Complete. Yes () No
[20.401(a)]

f. Maximum quarterly exposure. 650 mrem Average. 200 mrem

g. Each individual assigned film badge and dosimeter. Yes
() No [34.33(a)]
Remarks.

h. Dosimeter type. Intercom Range. 0-200 mrem

i. Annual check of dosimeter for correct response. Yes () No
[34.33(c)]
Remarks.

j. Dosimeter recharged at start of each shift. Yes () No
[34.33(a)]
Remarks.

k. Dosimeter dose recorded daily. Yes () No [34.33(b)]
Remarks.

12. LEAK TESTS

a. Leak test method approved. (Yes () No [34.25(c)]
Remarks.

b. Model of leak test kit. Model LTK-1

c. Test at 6-month intervals. (Yes () No [34.25(b)]
Remarks.

d. Record of leak test results maintained. (Yes () No [34.25(c)]

e. Records reviewed by NRC inspector for period Oct 88 to Feb 90.
Remarks.

records adequate - no leaks

13. SURVEYS

a. Area of facility survey conducted to show compliance with 20.105. () Yes () No [20.201(b)]
Remarks.

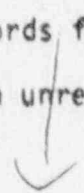
N/A

b. Area of facility survey recorded. () Yes () No [20.401(b)]
Remarks.

N/A (under state jurisdiction)

c. NRC inspector reviewed records for period _____ to _____

d. Maximum radiation levels in unrestricted areas.
Remarks.



e. Survey after each exposure: (Yes () No [34.43(b)]
Remarks.

f. Survey includes guide tube. (Yes () No [34.43(b)]
Remarks.

g. Record of final survey before securing device at place-of-storage. (Yes () No
Remarks.

14. POSTING AND LABELING

- a. High Radiation Area posted as required. (Yes () No [20.203(c)(1)])
Remarks.
- b. Radiation Area posted as required. (Yes () No [20.203(b)])
Remarks.
- c. Use of storage area posted "Caution - Radioactive Material".
(Yes () No [20.203(e)(1)])
Remarks.
- d. Containers or devices properly labeled. (Yes () No [20.203(f)])
Remarks.
- e. Posting of "Notice to Workers". (Yes () No [19.11(a) or (b)])
Remarks.
- f. Posting of "Notice to Employees". (Yes () No [19.11(c)])
Remarks.

15. CONFIRMATORY MEASUREMENTS

- a. Confirmatory measurements made by inspector. () Yes (No
- b. Survey instrument. N/A NRC Serial No. _____
Last date of calibration. _____
- c. Describe type and results of measurements and compare these with licensee's measurements. _____

16. RECEIVING AND SHIPPING OF RADIOACTIVE MATERIALS

- a. Procedures for picking up, receiving, and opening of packages.
(Yes () No [20.205])
Remarks.

- b. Written procedures. () Yes () No
- c. Shipping incidents since last inspection. () Yes () No
- d. Survey of packages when received. () Yes () No [20.205(c)(1)]
Remarks.

- e. Record of survey of packages. () Yes () No [20.401(b)]
Remarks.

- f. Shipment of sources since last inspection. () Yes () No

- (1) Only container authorized by licensee has been used.
() Yes () No
Remarks.

- (2) Shipping papers and package labeling properly completed.
() Yes () No [71.5]
Remarks.

- (3) Licensed material transferred in accordance with [30.41].
() Yes () No
Remarks.

- (4) Record of receipt and transfer. () Yes () No [30.51]
Remarks.

17. TRANSPORTATION (10 CFR 71.5a and 49 CFR 171-178)

- | | <u>Yes</u> | <u>N/A</u> | <u>Vio.</u> |
|--|-------------------------------------|------------|-------------|
| a. Licensee makes shipments of RAM? Such shipments are: (<input checked="" type="checkbox"/>) delivered to Common Carriers? (<input checked="" type="checkbox"/>) transported in licensee's own vehicle as private carrier? (<input checked="" type="checkbox"/>) both? | <input checked="" type="checkbox"/> | () | () |
| If a. above is "Yes," complete following items: | | | |
| b. Are Authorized Packages used? [173.415-416] Types used: DOT-7A, Type A [173.415] | <input checked="" type="checkbox"/> | () | () |
| Performance test records on file? DOT-55 [173.416(a)] | <input checked="" type="checkbox"/> | () | () |

Licensee aware of 6/30/85 Cutoff
on use?

- | | | |
|--|-------------------------------------|-------------------------------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| () Certified [171.416(b)] | | |
| NRC COC's on file? [71.12(c)(1)] | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Registered with NRC as user? | | |
| [71.12(c)(3)] | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Documented NRC-Approved Q/A program? | | |
| [71.12(b)] | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| NRC Q/A Approval No. <u>71-0234</u> | | |
| () Other _____ | | |
| c. Special Form Material Performance test records available for each source design [173.476(a)] | | |
| | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| d. Packages labeled as required? [172.403(a)(b)(c)(e)(f)] | | |
| | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| () Excepted (<input checked="" type="checkbox"/>) WI (<input checked="" type="checkbox"/>) YII (<input checked="" type="checkbox"/>) YIII | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Surveys performed to select correct label category and compliance with radiation limits? (175.475(1)). | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| e. Packages marked with required, i.e., proper shipping name, Spec. No., COC No., etc. [172.300 thru 172.310] | | |
| | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| f. Shipping papers prepared for each shipments? [172.200] | | |
| | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Such papers contain required information [172.203(d)] | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| g. For licensee Private Carrier Shipments: | | |
| Vehicles placarded as required? [172.500, 172.504] | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Cargo blocked, braced, tied down in vehicle? [177.842(d)] | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Any incidents reported to DOT? [171.15-16] | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| h. Licensee carries shipping papers that are readily accessible when transporting RAM. | | |
| | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

18. NOTIFICATION AND REPORTS

a. Licensee in compliance with 19.13 (reports to individuals).
() Yes () No [19.13]
Remarks.

b. Licensee in compliance with 20.405 (overexposures).
() Yes () No [20.405(a)]
Remarks.

c. Licensee in compliance with 20.403 (incidents).
 Yes () No [20.403]
Remarks.

d. Licensee in compliance with 20.402 (theft or loss).
 Yes () No [20.402(a)] or [20.402(b)]
Remarks.

e. Annual Report to Commission. Yes () No [20.407]
Remarks.

f. Termination Report to Commission. Yes No [20.408]
Remarks.

*missed two employees who terminated
during 1st & 4th qtrs of 1989.*

19. LICENSE CONDITIONS

a. All License Conditions reviewed during inspection. Yes
() No

b. Activities were conducted in accordance with License Conditions
except as noted elsewhere in this report. Yes () No
Remarks.

20. BULLETINS AND INFORMATION NOTICES

a. Bulletins and Information Notices issued during current year.
 Yes () No

b. Bulletins and Information Notices received by licensee. Yes
() No

c. Licensee took appropriate action in response to Bulletins and
Information Notices. Yes () No
Remarks.

21. ITEMS OF NONCOMPLIANCE

see 18(f)

22. CONTINUATION OF PREVIOUS PARAGRAPHS - USE BACK OF PAGE IF NECESSARY

QUARTERLY INVENTORY OF RADIOACTIVE SOURCES

| D. 2 | SOURCE NO. | TYPE | EXPOSURE DEVICE MODEL & SN | ORIGINAL STRENGTH | LOCATION |
|-----------------------|------------|------------------|-------------------------------|----------------------|----------|
| 1-1-90 | C829 | Co ⁶⁰ | SN1543 XR2 model 151 | 36.0 | SEATTLE |
| | C708 | " | SN1520 XR2 model 151 | 16.0 | " |
| | 1507 | " | SN535 model 523 | 7.5 | " |
| | 2089 | " | SN163 model 680 | 59.0 | " |
| | H94 | 1R192 | SN7 model 520 | 1.0 | " |
| | 3635 | " | SN11 model 520 | 5.0 | " |
| | 3741 | " | SN5 model 520 | 8.0 | " |
| | 3859 | " | SN13 model 520 | 16.0 | " |
| | 4053 | " | SN8 model 520 | 14.0 | " |
| | 3995 | " | SN4 model 520 | 15.0 | " |
| | 4503 | " | SN6 model 520 | 28.0 | " |
| | 4973 | " | SN7 model 520 | 48.0 | " |
| | 5225 | " | SN12 model 520 | 70.0 | " |
| | 4722 | " | SN10 model 520 | 36.0 | Portland |
| <p>W. O. Richmond</p> | | | | | |

X-RAY INCORPORATED

PERSONNEL QUALIFICATIONS LIST

March 05, 1990

| EMPLOYEE NUMBER | NAME | LEVEL | TEST DATE | DATE CERTIFIED | POSITION | CERTIFICATION | EYE TEST | |
|-----------------|-----------------|-------|-----------|----------------|------------|-------------------|----------|----------|
| | | | | | | | LAST | NEXT |
| 001 | Gary J. Will | III | | | SUPERVISOR | * AWS.D1.1 QC-1 * | 02/01/90 | 02/01/91 |
| 001-1 | Gary J. Will | III | THROUGH | 02/28/91 | SUPERVISOR | RADIOGRAPHIC | 02/01/90 | 02/01/91 |
| 001-2 | Gary J. Will | III | THROUGH | 02/28/91 | SUPERVISOR | ULTRASONIC | 02/01/90 | 02/01/91 |
| 001-3 | Gary J. Will | III | THROUGH | 02/28/91 | SUPERVISOR | MAGNETIC PARTICLE | 02/01/90 | 02/01/91 |
| 001-4 | Gary J. Will | III | THROUGH | 02/28/91 | SUPERVISOR | PENETRANT | 02/01/90 | 02/01/91 |
| 001-5 | Gary J. Will | III | THROUGH | 04/30/88 | SUPERVISOR | EDDY CURRENT | 02/01/90 | 02/01/91 |
| 002 | W. A. Richmond | III | | | SUPERVISOR | * AWS.D1.1 QC-1 * | 07/21/89 | 07/21/90 |
| 002-1 | W. A. Richmond | III | THROUGH | 09/30/91 | SUPERVISOR | RADIOGRAPHIC | 07/21/89 | 07/21/90 |
| 002-3 | W. A. Richmond | III | THROUGH | 09/30/91 | SUPERVISOR | MAGNETIC PARTICLE | 07/21/89 | 07/21/90 |
| 002-4 | W. A. Richmond | III | THROUGH | 09/30/91 | SUPERVISOR | PENETRANT | 07/21/89 | 07/21/90 |
| 021-1 | Dale Morgan | II | 09/11/89 | 09/11/89 | INSPECTOR | RADIOGRAPHIC | 10/09/89 | 10/09/90 |
| 021-3 | Dale Morgan | II | 09/10/87 | 09/09/89 | INSPECTOR | MAGNETIC PARTICLE | 10/09/89 | 10/09/90 |
| 021-4 | Dale Morgan | II | 09/10/87 | 09/09/89 | INSPECTOR | PENETRANT | 10/09/89 | 10/09/90 |
| 021-5 | Dale Morgan | II | 12/02/88 | 12/02/89 | INSPECTOR | EDDY CURRENT | 10/09/89 | 10/09/90 |
| 023 | Elvin Reese | II | | | INSPECTOR | * AWS.D1.1 QC-1 * | 07/27/89 | 07/27/90 |
| 023-1 | Elvin Reese | II | 11/11/88 | 11/11/89 | INSPECTOR | RADIOGRAPHIC | 07/27/89 | 07/27/90 |
| 023-2 | Elvin Reese | II | 11/11/88 | 11/11/89 | INSPECTOR | ULTRASONIC | 07/27/89 | 07/27/90 |
| 023-3 | Elvin Reese | II | 11/11/88 | 11/11/89 | INSPECTOR | MAGNETIC PARTICLE | 07/27/89 | 07/27/90 |
| 023-4 | Elvin Reese | II | 11/11/88 | 11/11/89 | INSPECTOR | PENETRANT | 07/27/89 | 07/27/90 |
| 027 | J. W. Waddilove | III | | | INSPECTOR | * AWS.D1.1 QC-1 * | 07/31/89 | 07/31/90 |
| 027-1 | J. W. Waddilove | III | THROUGH | 12/31/91 | INSPECTOR | RADIOGRAPHIC | 07/31/89 | 07/31/90 |
| 043-3 | Mark Marlow | II | 09/29/88 | 09/29/89 | INSPECTOR | MAGNETIC PARTICLE | 09/20/89 | 09/20/90 |

X-RAY INCORPORATED

PERSONNEL QUALIFICATIONS LIST =====

March 05, 1990

| EMPLOYEE NUMBER | NAME | LEVEL | TEST DATE | DATE | POSITION | CERTIFICATION | E Y E T E S T | |
|--------------------|----------------------|-------|-----------|-----------|-----------|-------------------|-----------------|----------|
| | | | | CERTIFIED | | | LAST | NEXT |
| 043-4 | Mark Marlow | II | 09/29/88 | 09/29/89 | INSPECTOR | PENETRANT | 09/20/89 | 09/20/90 |
| 043-5 | Mark Marlow | II | 12/02/88 | 12/02/89 | INSPECTOR | EDDY CURRENT | 09/20/89 | 09/20/90 |
| 078-1 | Harold Bowden | II | 03/29/88 | 03/29/89 | INSPECTOR | RADIOGRAPHIC | 07/31/89 | 07/31/90 |
| 083-1 | Jenny S. Nast | II | 03/29/89 | 03/29/89 | INSPECTOR | RADIOGRAPHIC | 03/29/89 | 03/29/90 |
| 083-2 | Jenny S. Nast | II | 10/27/89 | 10/27/89 | INSPECTOR | ULTRASONIC | 03/29/89 | 03/29/90 |
| 083-3 | Jenny S. Nast | II | 03/29/89 | 03/29/89 | INSPECTOR | MAGNETIC PARTICLE | 03/29/89 | 03/29/90 |
| 083-4 | Jenny S. Nast | II | 03/29/89 | 03/29/89 | INSPECTOR | PENETRANT | 03/29/89 | 03/29/90 |
| 085-2 | Charles H. Sweed III | II | 06/02/87 | 06/02/89 | INSPECTOR | ULTRASONIC | 07/12/89 | 07/12/90 |
| 085-3 | Charles H. Sweed III | II | 02/01/89 | 02/01/90 | INSPECTOR | MAGNETIC PARTICLE | 07/12/89 | 07/12/90 |
| 085-5 | Charles H. Sweed III | II | 04/06/89 | 04/06/89 | INSPECTOR | EDDY CURRENT | 07/12/89 | 07/12/90 |
| 109-1 | Stanley Young | II | 01/14/88 | 01/13/90 | INSPECTOR | RADIOGRAPHIC | 07/13/89 | 07/13/90 |
| 125-1 | Stefan Wistrom | I | 11/01/88 | 11/01/89 | INSPECTOR | RADIOGRAPHIC | 09/20/89 | 09/20/90 |
| 125-2 | Stefan Wistrom | II | 08/10/87 | 08/10/89 | INSPECTOR | ULTRASONIC | 09/20/89 | 09/20/90 |
| 125-3 | Stefan Wistrom | II | 11/16/87 | 11/16/89 | INSPECTOR | MAGNETIC PARTICLE | 09/20/89 | 09/20/90 |
| 125-5 | Stefan Wistrom | II | 04/12/89 | 04/12/89 | INSPECTOR | EDDY CURRENT | 09/20/89 | 09/20/90 |
| 155-2 | Pierre Smith | III | THROUGH | 11/01/94 | INSPECTOR | ULTRASONIC | 02/13/90 | 02/13/91 |
| 155-3 | Pierre Smith | III | THROUGH | 11/01/94 | INSPECTOR | MAGNETIC PARTICLE | 02/13/90 | 02/13/91 |
| 155-4 | Pierre Smith | III | THROUGH | 11/01/94 | INSPECTOR | PENETRANT | 02/13/90 | 02/13/91 |
| 155-5 | Pierre Smith | II | 07/26/86 | 07/26/88 | INSPECTOR | EDDY CURRENT | 02/13/90 | 02/13/91 |
| 162-1 | Mark S. Piblic | II | 07/29/87 | 07/29/89 | INSPECTOR | RADIOGRAPHIC | 12/07/89 | 12/07/90 |
| 162-2 | Mark S. Piblic | II | 08/28/89 | 08/28/89 | INSPECTOR | ULTRASONIC | 12/07/89 | 12/07/90 |
| 162-3 | Mark S. Piblic | II | 08/21/89 | 08/21/90 | INSPECTOR | MAGNETIC PARTICLE | 12/07/89 | 12/07/90 |

X-RAY INCORPORATED

PERSONNEL QUALIFICATIONS LIST

March 05, 1990

| EMPLOYEE NUMBER | NAME | LEVEL | TEST DATE | DATE CERTIFIED | POSITION | CERTIFICATION | EYE TEST LAST | EYE TEST NEXT |
|-----------------|-------------------------|-------|-----------|----------------|-----------|-------------------|---------------|---------------|
| 162-4 | Mark S. Piblic | II | 11/24/89 | 11/24/89 | INSPECTOR | PENETRANT | 12/07/89 | 12/07/90 |
| 170-1 | Robert K. Swisher | II | 11/01/88 | 11/01/89 | INSPECTOR | RADIOGRAPHIC | 07/14/89 | 07/14/90 |
| 170-2 | Robert K. Swisher | II | 06/04/87 | 06/03/89 | INSPECTOR | ULTRASONIC | 07/14/89 | 07/14/90 |
| 181-1 | Dennis W. Evans | III | 02/11/88 | 02/12/90 | INSPECTOR | RADIOGRAPHIC | 02/07/90 | 02/07/91 |
| 181-3 | Dennis W. Evans | III | 02/11/88 | 02/12/90 | INSPECTOR | MAGNETIC PARTICLE | 02/07/90 | 02/07/91 |
| 183-2 | James R. Peasley | I | 03/09/88 | 03/09/89 | INSPECTOR | ULTRASONIC | 07/25/89 | 07/25/90 |
| 185-1 | Gary R. Smith | II | 05/24/88 | 05/24/89 | INSPECTOR | RADIOGRAPHIC | 05/19/89 | 05/19/90 |
| 185-2 | Gary R. Smith | II | 05/11/88 | 05/11/89 | INSPECTOR | ULTRASONIC | 05/19/89 | 05/19/90 |
| 185-3 | Gary R. Smith | II | 05/11/88 | 05/11/89 | INSPECTOR | MAGNETIC PARTICLE | 05/19/89 | 05/19/90 |
| 187-2 | Jeffrey L. Nash | II | 06/27/88 | 06/27/89 | INSPECTOR | ULTRASONIC | 07/14/89 | 07/14/90 |
| 187-3 | Jeffrey L. Nash | II | 07/06/88 | 07/06/89 | INSPECTOR | MAGNETIC PARTICLE | 07/14/89 | 07/14/90 |
| 187-4 | Jeffrey L. Nash | II | 06/27/88 | 06/27/89 | INSPECTOR | PENETRANT | 07/14/89 | 07/14/90 |
| 191-2 | David B. Cell | II | 04/06/89 | 04/06/89 | INSPECTOR | ULTRASONIC | 12/06/89 | 12/06/90 |
| 197-2 | James M. Kysela | II | 06/06/89 | 06/06/89 | INSPECTOR | ULTRASONIC | 05/30/89 | 05/30/90 |
| 199-2 | Eugene C. Polenski, Jr. | I | 04/20/89 | 04/20/89 | INSPECTOR | ULTRASONIC | 07/06/89 | 07/06/90 |
| 200-2 | John R. Knapp | II | 03/02/89 | 03/02/89 | INSPECTOR | ULTRASONIC | 01/24/90 | 01/24/91 |
| 203-1 | David J. Saylor | I | 04/11/89 | 04/11/89 | INSPECTOR | RADIOGRAPHIC | 01/23/90 | 01/23/91 |
| 204 | Vince Archibald | II | | | INSPECTOR | * AWS.D1.1 QC-1 * | 04/19/89 | 04/19/90 |
| 204-1 | Vince Archibald | II | 04/19/89 | 04/19/89 | INSPECTOR | RADIOGRAPHIC | 04/19/89 | 04/19/90 |
| 204-2 | Vince Archibald | II | 04/19/89 | 04/19/89 | INSPECTOR | ULTRASONIC | 04/19/89 | 04/19/90 |
| 204-3 | Vince Archibald | II | 04/19/89 | 04/19/89 | INSPECTOR | MAGNETIC PARTICLE | 04/19/89 | 04/19/90 |
| 204-4 | Vince Archibald | II | 04/19/89 | 04/19/89 | INSPECTOR | PENETRANT | 04/19/89 | 04/19/90 |

X-RAY INCORPORATED

PERSONNEL QUALIFICATIONS LIST

March 05, 1990

| EMPLOYEE NUMBER | NAME | LEVEL | TEST DATE | DATE CERTIFIED | POSITION | CERTIFICATION | EYE TEST LAST | EYE TEST NEXT |
|-----------------|----------------------|-------|-----------|----------------|-----------|-------------------|---------------|---------------|
| 205-1 | Darren D. McClelland | I | 10/09/89 | 10/09/89 | INSPECTOR | RADIOGRAPHIC | 12/05/89 | 12/05/90 |
| 206-1 | Duane Badger | II | 05/19/89 | 05/19/89 | INSPECTOR | RADIOGRAPHIC | 05/31/89 | 05/31/90 |
| 206-2 | Duane Badger | II | 05/19/89 | 05/19/89 | INSPECTOR | ULTRASONIC | 05/31/89 | 05/31/90 |
| 206-3 | Duane Badger | II | 05/19/89 | 05/19/89 | INSPECTOR | MAGNETIC PARTICLE | 05/31/89 | 05/31/90 |
| 206-4 | Duane Badger | II | 05/19/89 | 05/19/89 | INSPECTOR | PENETRANT | 05/31/89 | 05/31/90 |
| 207-2 | Kevin H. Maans | II | 05/05/89 | 05/06/89 | INSPECTOR | ULTRASONIC | 06/05/89 | 06/05/90 |
| 209-2 | Larry A. Hellard | II | 09/21/89 | 09/21/89 | INSPECTOR | ULTRASONIC | 10/04/89 | 10/04/90 |
| 213-1 | Mark S. Lorentzen | II | 10/24/89 | 10/24/89 | INSPECTOR | RADIOGRAPHIC | 11/22/89 | 11/22/90 |
| 214-1 | William M. Fisher | II | 10/27/89 | 10/27/89 | INSPECTOR | RADIOGRAPHIC | 12/07/89 | 12/07/90 |
| 214-3 | William M. Fisher | II | 10/27/89 | 10/27/89 | INSPECTOR | MAGNETIC PARTICLE | 12/07/89 | 12/07/90 |
| 217-1 | Greg M. Boyee | II | 12/20/89 | 12/20/89 | INSPECTOR | RADIOGRAPHIC | 12/20/89 | 12/20/90 |
| 217-2 | Greg M. Boyee | II | 12/12/89 | 12/12/89 | INSPECTOR | ULTRASONIC | 12/20/89 | 12/20/90 |
| 217-3 | Greg M. Boyee | II | 12/13/89 | 12/13/89 | INSPECTOR | MAGNETIC PARTICLE | 12/20/89 | 12/20/90 |
| 217-4 | Greg M. Boyee | II | 12/14/89 | 12/14/89 | INSPECTOR | PENETRANT | 12/20/89 | 12/20/90 |
| 218-2 | Gregory P. Milner | I | 01/04/90 | 01/04/90 | INSPECTOR | Ultrasonic | 12/19/89 | 12/19/90 |
| 218-3 | Gregory P. Milner | II | 12/14/89 | 12/14/89 | INSPECTOR | MAGNETIC PARTICLE | 12/19/89 | 12/19/90 |
| 218-4 | Gregory P. Milner | II | 12/14/89 | 12/14/89 | INSPECTOR | PENETRANT | 12/19/89 | 12/19/90 |

Report No.: 90-01

Type of License: Industrial

License No.: 46-03417-03

Licensee: X-Ray, Inc
Seattle, WA

Docket No.: 030-06638

PERFORMANCE EVALUATION FACTORS

- Failure of Isotope Committee (or certain key members thereof) to meet or discuss meaningful issues for a Broad Scope type license.
- RSO too busy with other assignments (RSO spending less than 25% of time).
- Lack of involvement of senior management to oversee RSO performance (management unaware of operations).
- Inadequate consultant service (consultant not finding any problems but NRC does).
- Insufficient technologist/authorized user/radiation safety staffing for licensed program workload.
- Program not being audited by management or the Radiation Safety Committee.

ACTIONS TAKEN

- Notice of Violation Letter with Severity Levels III , IV , V .
- NRC Form 591 Clear , Violations .
- Telephone Call to Licensee
- Management Meeting with Licensee
- Enforcement Conference with Licensee
- Escalated Enforcement (Civil Penalty)
- Early reinspection required. Date _____.

INSPECTOR'S COMMENTS

Because only a small part of this licensee's operation is under NRC jurisdiction, the RSO forgets every few years to send in all termination as required.

Paul R Znakowski
Inspector

6 Mar 90
Inspection Date

[Signature]
Section Chief

4/30/90
Date

SAFETY INSPECTION

| | |
|---|---|
| 1. LICENSEE X-Ray, Inc. 7500 Perimeter Road Seattle, WA 98103 | 2. REGIONAL OFFICE U. S. Nuclear Regulatory Commission Region V 1450 Maria Lane, Suite 210 Walnut Creek, CA 94596 |
|---|---|

| | | |
|---|--|-------------------------------|
| 3. DOCKET NUMBER(S) 030-06638 | 4. LICENSE NUMBER(S) 46-03414-03 | 5. DATE OF INSPECTION |
|---|--|-------------------------------|

Licensee

The inspection was an examination of the activities conducted under your license as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission's (NRC) rules and regulations and the conditions of your license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector. The findings as a result of this inspection are as follows:

1. Within the scope of this inspection, no violations were observed.

2. The inspector also verified the steps you have taken to correct the violations identified during the last inspection. We have no further questions on those actions at this time.

3. During this inspection certain of your activities, as checked below, were in violation of NRC requirements. THIS IS A NOTICE OF VIOLATION which is required to be posted in accordance with 10 CFR 19.11.

A. _____ was not properly posted to indicate the presence of a _____ 10 CFR 20.203(b), (c), (d), (e) or 34.42

B. Containers located in _____ were not properly labeled to indicate the presence of radioactive material. 10 CFR 20.203(f)(1), or (f)(2).

C. _____ of sealed sources were not performed at the proper frequencies. 10 CFR _____ License Condition Number _____

D. Records of _____ were not properly maintained. 10 CFR _____ or License Condition Number _____

E. Documents were not properly posted or otherwise made available. 10 CFR 19.11.

F. Reports or notifications of _____ were not made in accordance with 10 CFR _____ or License Condition Number _____



H. _____

I. _____

J. _____

K. _____

I hereby state that within 30 days the actions described by me to the inspector will be taken to correct the violations identified in the items checked above. This statement of corrective actions is made in accordance with the requirements of 10 CFR 2.201. No further response will be submitted unless required by the NRC.

| | | | |
|---|--------------|--|--------------|
| SIGNATURE - LICENSEE  | DATE | SIGNATURE - NRC INSPECTOR  | DATE |
|---|--------------|--|--------------|

INSPECTOR'S REPORT
Office of Inspection and Enforcement

ZURAKOWSKI, PAUL R
VIEWER

INSPECTORS

| | | | | | | |
|--|---|--|-------------------|-----------------|-----------------|-----------------|
| LICENSEE/VENDOR X-Ray, Inc 7500 Rotimeter Rd Seattle, WA 98108 | TRANSACTION TYPE <input checked="" type="checkbox"/> I - INSERT M - MODIFY D - DELETE R - REPLACE | DOCKET NO. (8 digits) OR LICENSE NO. (BY PRODUCT) (113 digits) 030-06638 | REPORT | | NEXT INSP DATE | |
| | | | NO 9001 | SEQ A | MO 03 | YR 91 |

| | | | | | |
|------------------------------------|---------------|---|-------|--|----------|
| PERIOD OF INVESTIGATION/INSPECTION | | INSPECTION PERFORMED BY | | ORGANIZATION CODE OF REGION/HQ CONDUCTING ACTIVITY (See IEMC 0530 Manpower Reporting - Weekly Manpower Reporting for code) | |
| FROM | TO | <input checked="" type="checkbox"/> 1 - REGIONAL OFFICE STAFF | OTHER | REGION | DIVISION |
| MO DAY YR | MO DAY YR | <input type="checkbox"/> 2 - RESIDENT INSPECTOR | | 5 | C |
| 030690 | 030690 | <input type="checkbox"/> 3 - PERFORMANCE APPRAISAL TEAM | | D | |

| | | | | |
|--|---|--|---|---|
| REGIONAL ACTION (Check one box only) | TYPE OF ACTIVITY CONDUCTED (Check one box only) | | | |
| <input checked="" type="checkbox"/> 1 - NRC FORM 581 | <input checked="" type="checkbox"/> 02 - SAFETY | <input type="checkbox"/> 06 - MGMT VISIT | <input type="checkbox"/> 10 - PLANT SEC | <input type="checkbox"/> 14 - INQUIRY |
| <input type="checkbox"/> 2 - REGIONAL OFFICE LETTER | <input type="checkbox"/> 03 - INCIDENT | <input type="checkbox"/> 07 - SPECIAL | <input type="checkbox"/> 11 - INVENT VER | <input type="checkbox"/> 15 - INVESTIGATION |
| | <input type="checkbox"/> 04 - ENFORCEMENT | <input type="checkbox"/> 08 - VENDOR | <input type="checkbox"/> 12 - SHIPMENT/EXPORT | |
| | <input type="checkbox"/> 05 - MGMT AUDIT | <input type="checkbox"/> 09 - MAT ACCT | <input type="checkbox"/> 13 - IMPORT | |

| | | | | | | | | | |
|--|---|---|---|---|-----------------------------|---------------------------------|-----------------------------------|-----------|-----------|
| INSPECTION INVESTIGATION FINDINGS (Check one box only) | | | | TOTAL NUMBER OF VIOLATIONS AND DEVIATIONS | ENFORCEMENT CONFERENCE HELD | REPORT CONTAIN 2700 INFORMATION | LETTER OR REPORT TRANSMITTAL DATE | | |
| A | B | C | D | A | A | A | MO | DAY | YR |
| <input checked="" type="checkbox"/> | | | | 01 | <input type="checkbox"/> | <input type="checkbox"/> | 03 | 06 | 90 |
| 1 - CLEAR | | | | | 1 - YES | | | | |
| 2 - VIOLATION | | | | | | | | | |
| 3 - DEVIATION | | | | | | | | | |
| 4 - VIOLATION & DEVIATION | | | | | | | | | |

| MODULE INFORMATION | | | | | | | | | | | MODULE INFORMATION | | | | | | | | | | | | | | | | | | | | |
|--------------------|--------------------|-------|----------------|------------------|-------|----------|--|------------------------------|--------|---------------------|--------------------|-------|----------------|------------------|---------|--------------------|--------|--------|----------------|------------------|----------|--|------------------------------|--------|---------------------|------|--------|-------|----------------|------------------|-------|
| REC ORD | MODULE NUMBER INSP | | | | | PRIORITY | DIRECT INSP/CT TIME EFFORT IN STATE HOURS EXPENDED THIS INSPECTION | PERCENTAGE COMPLETED TO DATE | STATUS | MODULE REG FOLLOWUP | | | | | REC ORD | MODULE NUMBER INSP | | | | | PRIORITY | DIRECT INSP/CT TIME EFFORT IN STATE HOURS EXPENDED THIS INSPECTION | PERCENTAGE COMPLETED TO DATE | STATUS | MODULE REG FOLLOWUP | | | | | | |
| TYPE | NUMBER | PHASE | MANUAL CHAPTER | PROCEDURE NUMBER | LEVEL | | | | | TYPE | NUMBER | PHASE | MANUAL CHAPTER | PROCEDURE NUMBER | LEVEL | TYPE | NUMBER | PHASE | MANUAL CHAPTER | PROCEDURE NUMBER | | | | | LEVEL | TYPE | NUMBER | PHASE | MANUAL CHAPTER | PROCEDURE NUMBER | LEVEL |
| B | 5307 | 03 | | | A | 001 | | | | | | B | 5927 | 02 | | | A | 001100 | C | | | | | | | | | | | | |
| B | 5871 | 100 | | | A | 202100 | C | | | | | B | | | | | A | | | | | | | | | | | | | | |
| B | 5867 | 40 | | | A | 001100 | C | | | | | B | | | | | A | | | | | | | | | | | | | | |
| B | 5838 | 22 | | | A | 002100 | C | | | | | B | | | | | A | | | | | | | | | | | | | | |

CIRCLE SEQUENCE IF VIOLATION OR DEVIATION

INSPECTOR'S REPORT
(Continuation)
Office of Inspection and Enforcement

DOCKET NO. (8 digits) OR LICENSE
NO. (BY PRODUCT) (13 digits)

030-06638

REPORT

NO

SEC

9001

MODULE NUMBER

587100

VIOLATION SEVERITY
OR DEVIATION

| | | | | | | |
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| 1 | 2 | 3 | 4 | 5 | 6 | D |
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BYE
RELATED

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C

D

NO.

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VIOLATION OR DEVIATION (Enter up to 2400 characters for each item. If the text exceeds this number, it will be necessary to paraphrase. Limit lines to 30 characters each.)

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Contrary to 10 CFR 20.408 termination reports
for two employees were not sent to NRC as
required for employees that terminated in
in 1989.