

SAFETY INSPECTION

1. LICENSEE Fewell Geotechnical Engineering, Ltd. 96-1416 Waikona Place Pearl City, HI 96782		2. REGIONAL OFFICE U. S. Nuclear Regulatory Commission Region V 1450 Maria Lane, Suite 210 Walnut Creek, CA 94596	
3. DOCKET NUMBER(S) 030-30870	4. LICENSE NUMBER(S) 53-23288-01	5. DATE OF INSPECTION Nov. 17, 1989	

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
		J. Frank Pang	11/17/89

8902280076 XA

Type of License: Radiography  
Licensee: Fewell Geotechnical Engineering LTD

License No.: 53-23288-C1  
Docket No.: 030-30870

#### 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).
- \_\_\_ Excessive customer complaints from major manufacturers or distributors.
- \_\_\_ Excessive allegations which have been substantiated.
- \_\_\_ Significant number of diagnostic misadministrations (greater than  $10^{-3}$  per procedure).
- \_\_\_ High man-rem levels (greater than 50% of workers requiring NRC Form 4).
- \_\_\_ Frequent or excessive contamination within the restricted area (greater than 10 x NMSS guidance for release to unrestricted areas).
- \_\_\_ Excessive missed surveillances (leak testing, inventory, surveys, etc., greater than 50% per year).
- \_\_\_ Financial instability of licensee (shoe string operations, one or two-man operation such that cost of cleanup is significant to continued operations of the facility).
- \_\_\_ 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).
- \_\_\_ Radiation Safety Committee (Broad Scope) gives "rubber stamp" approvals to users and/or issues user permits for indefinite periods of time.
- \_\_\_ Insufficient technologist/authorized user/radiation safety staffing for licensed program workload.
- \_\_\_ Excessive numbers of repeat violations (three or more).
- \_\_\_ Frequent internal uptakes greater than 125 mrems, whole body equivalent but less than 520 MPC/hr limits.
- \_\_\_ Failure to follow approved procedures.
- \_\_\_ Program not being audited by management or the Radiation Safety Committee.
- \_\_\_ Users not familiar with safety procedures or license conditions.

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

The RSO was made familiar with the requirements of a NRC inspection. He was not aware of several of the requirements. Since this is an initial inspection no citations were issued.

J.F. Pandy  
Inspector

Nov. 17, 1989  
Inspection Date

Beth A. Riddinger, Acting  
Section Chief

12/15/89  
Date

Report No. 89-01

Docket No. 030-20423

License No. 50-23257-01

Materials Group  Priority 1 Category 3320

Licensee: Inspection Services and Testing

611 30th Ave

PO Box 61179

Fairbanks, Alaska 99706

Facility Name: Inspection Services and Testing

Inspection at: Fairbanks, Alaska

Inspection conducted: 15, 20 & 21 Aug, 1989

Inspectors:

Paul R Zimkowski

18 Sept 89  
Date

Date

Approved by:

J. L. Shaw

10/12/89  
Date

Summary: Inspection of Aug 15, 20 & 21, 1989 (Report 30-20423/89-01)

Areas Inspected: Module 30703, Management Meetings; Module 87100, Materials Inspection Program; Module 92703 Bulletin Followup; Module 86740, Transportation; Module 83822, Radiation Protection.

Results: Of the areas inspected there was one violation of an NRC Regulation, Paragraph 9 should be consulted for more information.

B/10.

GUIDANCE FOR INSPECTION PROCEDURE 87100

INDUSTRIAL RADIOGRAPHY INSPECTION FIELD NOTES

Inspection Report No. 89-01

License No. 50-23257-01

Licensee (name and address)

Docket No. 030-20423

Inspection Services & Testing  
611 30th Ave  
Fairbanks, Alaska 99706

Licensee Contact. Mr. Larry Russell

Telephone No. 907-452-5032

Last Amendment No. 1

Date of Amendment. Mar 13, 1989

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

Date of Inspection \_\_\_\_\_

Type of Inspection { } Announced { } Initial  
{  } Unannounced { } Special  
{ } Reinspection

Next Inspection Date Aug 1990 (  ) Normal ( ) Extended ( ) Reduced

Summary of Findings and Action:

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

Personnel Contacted

- \* Mr. Larry Russell, General Manager & RSO
- Mr. William Carver, Radiation Safety Manager
- Mr. Terry Stoken, Senior Radiographer (supervisor)
- Mr. Allen Chaffin, Radiographer
- \* Those present at exit interview.

Inspector Paul B. Quakowski  
(Signature)

18 Sept 89  
(Date Signed)

Approved [Signature]  
(Signature)

10/12/89  
(Date Signed)

1.

ORGANIZATION

a. Management Structure (See back)

The management structure appears to be adequate for the size of the program. Mr. Russell is attempting to purchase the company this year from the present owner.

b. Administrative structure meets license requirements.

() Yes ( ) No [L/C] [34.11(e)]

Remarks.

Management appears to be in firm control

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 back

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

2.

INSPECTION HISTORY

a. Item(s) of noncompliance or deviations noted during last inspection conducted on July 29, 1988 () Yes ( ) No

Corrected by letter dated \_\_\_\_\_

<u>Requirement</u>	<u>Severity</u>	<u>Corrected</u>	<u>Status</u>
34.34 (b) incorrect survey	4	✓	clear
177.842(d). blocking & bracing 4		✓	clear
173.415 (a) surface meas not done 4		✓	clear
172.403 camera not labeled for films 5		✓	clear
172.400 no generic shipping papers 5		✓	clear

(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

*Average 30-50 exposures per day with three crews - have 5 cameras for their use (work year x 6 months long with production being an exception - work year around)*

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. *most people helping with radiography are qualified radiographers*

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

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

e. Training provided by. *Larry Russell  
William Carver  
Chris Grass*

f. Written tests. (  ) Yes ( ) No

g. Oral tests. (  ) Yes ( ) No

h. Radiographers completed field examination. [34.31a)(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

*Have safety meetings several times a year.*

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

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

- p. Instruction to workers in accordance with 19.2.  
 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. NRC 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 NRC. [34.11(c)]  
 Yes ( ) No



8. UTILIZATION LOG

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

*Daily Radiation Job Sheet meets all of the requirements of Utilization log and is part of it*

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.

*Source #3404 was not recorded on physical inventory for 2nd quarter of 1989*



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, 7/3/89  
Source

Model #	Quantity	Isotope	Source S/N	Camera Model	S/N
<i>Spec</i> C-1	91.6 ci	In-192	4001	Spec 2T	318
	136.1 "		3822	"	340
	57.6 "		2484	"	287
	57.6 "		4090	"	515
	57.6 "		3952	"	206

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 7/3/89, Report dated 7/3/89, 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.

d. Survey Meters

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

(2) Type and number available.

old INC - Model 2  
new NDS - GS-2000  
new NDS - ND-2000

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

(4) Calibrated by. NDS - Houston

(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. *used when possible which is most of the time.*

11. PERSONNEL MONITORING

- a. Film or TLD badge supplier. Landauer Frequency monthly [L/C]
- b. Reports reviewed by: RSD & Radiation Safety Manager Frequency: monthly
- c. NRC inspector reviewed personnel monitoring records for period Aug 88 to Aug 89
- 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. 660 mrem Average. < 100 mrem
- g. Each individual assigned film badge and dosimeter. (  ) Yes ( ) No [34.33(a)]  
Remarks.
- h. Dosimeter type. Victorens 541 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. Source Production Spec Model 1

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

Remarks.

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

e. Records reviewed by NRC inspector for period \_\_\_\_\_ to \_\_\_\_\_.  
Remarks.

*from last inspection*  
*records were adequate*

13. SURVEYS

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

Remarks.

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

Remarks.

c. NRC inspector reviewed records for period \_\_\_\_\_ to \_\_\_\_\_

d. Maximum radiation levels in unrestricted areas.

Remarks.

*less than 2 mR/hr*

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

Remarks.

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

Remarks.

g. Record of final survey before securing device at place-of-storage. (X) 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 or 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. Lotax 305b NRC Serial No. \_\_\_\_\_  
Last date of calibration. had count calibration
- c. Describe type and results of measurements and compare these with licensee's measurements. Measurements made in and around storage area agreed well with those made by the licensee.

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

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

- |   |                          |                          |
|---|--------------------------|--------------------------|
| <input checked="" type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> |
| ( ) Certified [173.416(b)]  | ( )                      | ( )                      |
| MRC COC's on file? [71.12(c)(1)]  | ( )                      | ( )                      |
| Registered with MRC as user?  | ( )                      | ( )                      |
| [71.12(c)(3)]   | ( )                      | ( )                      |
| Documented MRC-Approved Q/A program?  | ( )                      | ( )                      |
| [71.12(b)]  | ( )                      | ( )                      |
| MRC Q/A Approval No. <u>71-0620</u>   | ( )                      | ( )                      |
| ( ) Other _____   |                          |                          |
| c. Special Form Material Performance test records available for each source design [173.476(a)]               |                          |                          |
| <input checked="" type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> |
| d. Packages labeled as required? [172.403(a)(b)(c)(e)(f)]   |                          |                          |
| <input checked="" type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> |
| ( ) Excepted ( ) WI ( ) YII ( ) YIII  | ( )                      | ( )                      |
| Surveys performed to select correct label category and compliance with radiation limits? (175.475(i)).        | ( )                      | ( )                      |
| 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"/> | <input type="checkbox"/> |
| f. Shipping papers prepared for each shipments? [172.200]   |                          |                          |
| <input checked="" type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> |
| Such papers contain required information [172.203(d)]   | ( )                      | ( )                      |
| g. For licensee Private Carrier Shipments: Vehicles placarded as required? [172.500, 172.504]                 |                          |                          |
| <input checked="" type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> |
| Cargo blocked, braced, tied down in vehicle? [177.842(d)]   | ( )                      | ( )                      |
| Any incidents reported to DOT? [171.15-16]  | ( )                      | ( )                      |
| h. Licensee carries shipping papers that are readily accessible when transporting RAM.                        |                          |                          |
| <input checked="" type="checkbox"/>   | <input 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.

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

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

Paragraph 2 (Continued)	24.316)	field examination record	<input checked="" type="checkbox"/>	yes	clear
	lic cond 4	retaining record	<input checked="" type="checkbox"/>	yes	clear
	lic cond 6	record of daily inspection	<input checked="" type="checkbox"/>	yes	clear

## APPENDIX A - DOCUMENTATION of NONCOMPLIANCE

Licensee: Inspection Services & TestingLicense no: 50-23257-c

Reference

Basis for noncompliance

Report item 910 CFR 34.26 ✓Lic Cond 10 CFR 34.26 provides, in part, that each licensee shall conduct a quarterly physical inventory to account for all sealed sources possessed under his license.Type n/c Contrary to the above requirement, one sealed source possessed by the licensee (S/N 5) was not properly recorded on the second quarter 1989 physical inventory. 371-Report item    10 CFR    Lic Cond    Type n/c    Report item    10 CFR    Lic Cond    Type n/c    Report item    10 CFR    Lic Cond    Type n/c    Report item    10 CFR    Lic Cond    Type n/c



P.O. Box 6117  
611 30th Ave. Fairbanks, Alaska 99706  
(907) 462-0032

RECEIVED  
NRC  
REGION V

89 OCT 6 9:44

October 5, 1989

U. S. Nuclear Regulatory Commission  
Region V  
1450 Maria Lane, Suite 210  
Walnut Creek, CA 94596

Ref: Docket No. 030-20423  
License No.: 50-23257-01

Attn: Mr. Paul Zurakowski

Dear Mr. Zurakowski:

In reference to violation of August 15, documentation on the quarterly physical inventory of Source SN 3404 cannot be found. After reviewing the Daily Radiation Reports, this source was being utilized at the Alyeska Pump Station #6 job site and was not physically inventoried.

I have initiated a check off list (see attached) to assure that this oversight will not occur on future inventories.

If additional information is needed, please contact me.

Sincerely,

Larry Russell  
Radiation Safety Officer

Enclosure

ISOTOPE TRACKING CHECKLIST

DRUM	REC. SURVEY	_____	DATE _____
CAMERA	REC. SURVEY	_____	DATE _____
	SHIPPING CONTAINER CHECKLIST - QA -	_____	DATE _____
	DECAY CHART	_____	DATE _____
	HAZ MAT CERT.	_____	DATE _____
	MFG. LEAK TEST	_____	DATE _____
	QUARTERLY INVENTORY	_____	DATE _____
		_____	DATE _____
		_____	DATE _____
		_____	DATE _____
	UTILIZATION LOG	_____	DATE _____
	LEAK TEST	_____	DATE _____
		_____	DATE _____
		_____	DATE _____
		_____	DATE _____
		_____	DATE _____
CAMERA	DISPOSAL SURVEY	_____	DATE _____
DRUM	DISPOSAL SURVEY	_____	DATE _____
	HAZ MAT CERT.	_____	DATE _____

PRINCIPAL INSPECTOR (Name last, first and middle initial)  
**ZIRAKOWSKI, PAUL R**

**INSPECTOR REPORT**  
Office of Inspection and Enforcement

INSPECTORS

LICENSEE VENDOR <b>Inspection Services &amp; Testing</b> <b>611 30th AVE</b> <b>P.O. Box 61179</b> <b>Fairbanks, Alaska</b> <b>99706</b>	TRANSACTION TYPE <input checked="" type="checkbox"/> I - INSERT <input type="checkbox"/> M - MODIFY <input type="checkbox"/> D - DELETE <input type="checkbox"/> R - REPLACE	DOCKET NO. (8 digits) OR LICENSE NO. (8 BY PRODUCT) (13 digits) <b>030-20423</b> <b>50-23257-01</b>	REPORT NO. <b>8901</b> SEQ. <b>A</b> <b>B</b> <b>C</b> <b>D</b>	NEXT INSP DATE MO <b>08</b> YR <b>90</b>
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PERIOD OF INVESTIGATION/INSPECTION FROM MO <b>08</b> DAY <b>15</b> YR <b>89</b> TO MO <b>08</b> DAY <b>21</b> YR <b>89</b>	INSPECTION PERFORMED BY <input checked="" type="checkbox"/> REGIONAL OFFICE STAFF <input type="checkbox"/> RESIDENT INSPECTOR <input type="checkbox"/> PERFORMANCE APPRAISAL TEAM OTHER	ORGANIZATION CODE OF REGION/HQ CONDUCTING ACTIVITY (See IEMC 0530: Manpower Reporting - Weekly Manpower Reporting for code) REGION <b>5</b> DIVISION <b>C</b> BRANCH <b>D</b>
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REGIONAL ACTION (Check one box only) <input checked="" type="checkbox"/> 1 - NRC FORM 501 <input type="checkbox"/> 2 - REGIONAL OFFICE LETTER	TYPE OF ACTIVITY CONDUCTED (Check one box only) <input checked="" type="checkbox"/> 02 - SAFETY <input type="checkbox"/> 03 - INCIDENT <input type="checkbox"/> 04 - ENFORCEMENT <input type="checkbox"/> 05 - MGMT. AUDIT 06 - MGMT VISIT 07 - SPECIAL 08 - VENDOR 09 - MAT. ACCT 10 - PLANT SEC. 11 - INVENT. VER. 12 - SHIPMENT/EXPORT 13 - IMPORT 14 - INQUIRY 15 - INVESTIGATION
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INSPECTION/INVESTIGATION FINDINGS (Check one box only) A B C D 1 - CLEAR 2 - VIOLATION 3 - DEVIATION 4 - VIOLATION & DEVIATION	TOTAL NUMBER OF VIOLATIONS AND DEVIATIONS A B C D <b>01</b>	ENFORCEMENT CONFERENCE HELD A B C D 1 - YES	REPORT CONTAIN 2,790 INFORMATION A B C D 1 - YES	LETTER OR REPORT TRANSMITTAL DATE NRC FORM 501 OR REG LETTER ISSUED MO <b>09</b> DAY <b>19</b> YR <b>89</b> REPORT SENT TO HQ FOR ACTION MO <b>09</b> DAY <b>19</b> YR <b>89</b>
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MODULE INFORMATION												MODULE INFORMATION																
NUMBER	PHASE	MANUAL CHAPTER	PROCEDURE NUMBER	LEVEL	SECT	PRIORITY	DIRECT INSPECTION EFFORT IN STAFF HOURS EXPENDED THIS INSPECTION	PERCENTAGE COMPLETED	TO DATE	STATUS	RECORD	NUMBER	PHASE	MANUAL CHAPTER	PROCEDURE NUMBER	LEVEL	SECT	PRIORITY	DIRECT INSPECTION EFFORT IN STAFF HOURS EXPENDED THIS INSPECTION	PERCENTAGE COMPLETED	TO DATE	STATUS	PHASE	MANUAL CHAPTER	PROCEDURE NUMBER	LEVEL		
																											TYPE	
530703	A						001																					
5871001	A						005100 C																					
5867401	A						001100 C																					
5838224	A						004100 C																					

PLEASE SEQUENCE IF VIOLATION OR DEVIATION