

SAFETY INSPECTION

1. LICENSEE

Q. C. Services  
Division of World Technical Services, Inc.  
23101 Foley Street  
Hayward, CA 94545

2. REGIONAL OFFICE

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

3. DOCKET NUMBER(S)

4. LICENSE NUMBER(S)

5. DATE OF INSPECTION

04-14875-02

April 12, 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 The final storage surveys 10 CFR 34.43(a) were not properly maintained. License Condition Number \_\_\_\_\_

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

F. Reports or notifications of Annual radiation exposures with 10 CFR 20.407 were not made in accordance with 10 CFR \_\_\_\_\_ or License Condition Number \_\_\_\_\_

H. Contrary to 10 CFR 71.12 (c)(1), at the time of the inspection, the sections of the reference documents cited in the Certificate of

I. Compliance relating to the use and maintenance were not available.

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

J. Frank Papp  
SIGNATURE - NRC INSPECTOR

4/19/89  
DATE

8906090156 XA

ORIGINAL TO LICENSEE

## GUIDANCE FOR INSPECTION PROCEDURE 87100

## INDUSTRIAL RADIOGRAPHY INSPECTION FIELD NOTES

Inspection Report No. 89-01 License No. 04-14875-02  
 Licensee (name and address) Docket No. 030-20443  
~~QC Services~~  
Division of World Technical Services, Inc.  
23101 Fiske Street  
Hayward, California 94545  
 Licensee Contact. K. Gill, RSO Telephone No. 782-3660  
 Last Amendment No. 1 Date of Amendment. 2/21/89  
 Priority: I Program Code ( ) 03310 - Fixed (✓) 03320 - Temporary  
 Date of Inspection 4/13/89  
 Type of Inspection { } Announced { } Initial  
 { } Unannounced { } Special  
 { } Reinspection  
 Next Inspection Date April, 1990 (✓) Normal ( ) Extended ( ) Reduced

## Summary of Findings and Action:

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

## Personnel Contacted

\* R. Williamson, President  
 \* K. Gill, V.P. & RSO

\* Those present at exit interview.

Inspector J. Frank Pang 4/12/89  
 (Signature) (Date Signed)  
 Approved [Signature] 5/25/89  
 (Signature) (Date Signed)

1. ORGANIZATION.

a. Management Structure

R. Williamson, Pres.

K. Gill, V.P.

→ radiographers  
cost. radiographer

b. Administrative structure meets license requirements

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

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

There are currently seven radiographers and  
one cost. radiographer.

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

2. INSPECTION HISTORY

a. Item(s) of noncompliance or deviations noted during last inspection conducted on 6/23/85 () Yes ( ) No

Corrected by letter dated NA

b. Requirement                      Severity                      Corrected                      Status

Record of survey of X-ray S.I. II                      ✓                      C

Special Form documentation                      ✓                      C

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

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

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

3. SCOPE OF PROGRAM

The licensee conducts activities under both a state and NRC license. The licensee worked one day (1/12/87) at Weather AFB since the last inspection.

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.

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

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

e. Training provided by. Consultant Tom Cutler Hanson

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

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.  
*A TechOp. SN 2313 had a quart. maintenance done 3/30/89 and had not yet been done. However since it is not being used under the NRC license this was not cited as a violation.*
- 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.

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. \_\_\_\_\_  
Source \_\_\_\_\_  
Changer \_\_\_\_\_

<u>Model #</u>	<u>Quantity</u>	<u>Isotope</u>	<u>Source S/N</u>	<u>Camera Model</u>	<u>S/N</u>
	2			Gamma Lab	VT50-A
	2			Tech Ops	6E0
	1			" "	553
	2			Lab. Nive.	1R-100

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 Sept. 14, 1987, Report  
dated Jan. 24, 1989, or \_\_\_\_\_

(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.

*Fixed facility is under the State of California license*

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

Remarks.

*Under Calif. license*

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

Remarks.

*Under Calif. license*

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

Remarks.

*Under Calif. license*

(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.

*Under Calif. license*

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

Remarks.

*Under Calif. license*

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

Remarks.

*Under Calif. license*

(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.

*According to the RSO, the proper postings are made.*

d. Survey Meters

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

(2) Type and number available.

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

(4) Calibrated by. Industrial Nuclear

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

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



e. Speci. Equipment (shields, collimator, etc.)

Remarks. yes.

11. PERSONNEL MONITORING

a. Film or TLD badge supplier. Radiation Detection Co. Frequency Monthly [L/C]

b. Reports reviewed by: RSD Frequency: Monthly

c. NRC inspector reviewed personnel monitoring records for period June, 1988 to Feb, 1989

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. 235 mrem Average. \_\_\_\_\_

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

h. Dosimeter type. \_\_\_\_\_ 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. Done by Ind. Nuc. Corp. in San Leandro.
- 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 June '88 to Feb. 1989  
Remarks.

13. SURVEYS

- a. Area of facility survey conducted to show compliance with  
20.105. () Yes ( ) No [20.201(b)]  
Remarks. Under California license
- b. Area of facility survey recorded. () Yes ( ) No [20.401(b)]  
Remarks.
- c. NRC inspector reviewed records for period \_\_\_\_\_ to \_\_\_\_\_ N.A.
- d. Maximum radiation levels in unrestricted areas.  
Remarks. "0" were.
- 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. The licensee conducted the survey but did not record it.

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. Retox 3x5B NRC Serial No. 33519  
Last date of calibration. 2/27/89
- c. Describe type and results of measurements and compare these with licensee's measurements. A radiation survey was conducted of the Canyon Storage area and of several canyons. No abnormal/significant radiation levels were noted

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: *the licensee transports the containers to <sup>and from</sup> Interstate Nuclear for source exchange.*

(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?			
( ) both?			
If a. above is "Yes," complete following items:			
b. Are Authorized Packages used? [173.415-416] Types used:	<input checked="" type="checkbox"/>	( )	( )
DOT-7A, Type A [173.415]			
Performance test records on file?	( )	<input checked="" type="checkbox"/>	( )
DOT-55 [173.416(a)]			

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

- Certified [173.416(b)]
- NRC COC's on file? [71.12(c)(1)]
- Registered with NRC as user? [71.12(c)(3)]
- Documented NRC-Approved Q/A program? [71.12(b)]
- NRC Q/A Approval No. \_\_\_\_\_
- Other \_\_\_\_\_

*Sections of the reference documents for the COC's relating to maintenance records & use were not available at the time of the inspection.*

- c. Special Form Material Performance test records available for each source design [173.476(a)]
- d. Packages labeled as required? [172.403(a)(b)(c)(e)(f)]   
  - 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]
- f. Shipping papers prepared for each shipments? [172.200]   
  - Such papers contain required information [172.203(d)]
- g. For licensee Private Carrier Shipments:
  - Vehicles placarded as required? [172.500, 172.504]    (YII)
  - 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.

18. NOTIFICATION AND REPORTS

- a. Licensee in compliance with 19.13 (reports to individuals). [19.13]
  - Yes  No
  - Remarks. N.A.
- b. Licensee in compliance with 20.405 (overexposures). [20.405(a)]
  - Yes  No
  - Remarks. N.A.

c. Licensee in compliance with 20.403 (incidents).

Yes  No [20.403]

Remarks.

N.A.

d. Licensee in compliance with 20.402 (theft or loss).

Yes  No [20.402(a)] or [20.402(b)]

Remarks.

N.A.

e. Annual Report to Commission.  Yes  No [20.407]

Remarks.

~~At the time of the inspection, the licensee had not sent its 1988 annual report to the Commission.~~

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

Remarks.

N.A.

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 Appendix A

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

APPENDIX A - DOCUMENTATION OF NONCOMPLIANCE

Licensee: Q.C. Services

License no: 04-14875-02

Reference	Basis for noncompliance
Report item <u>13 g.</u> 10 CFR <u>34.43(c)</u> ✓ Lic Cond _____ Type n/c <u>S.L.V</u>	Records of the final storage surveys conducted had not been maintained.
Report item <u>18.e</u> 10 CFR <u>20.407</u> ✓ Lic Cond _____ Type n/c <u>S.L.V</u>	At the time of the inspection, the licensee had not sent its 1988 annual report to the Commission.
Report item <u>17 b.</u> 10 CFR <u>71.12(c)(4)</u> ✓ Lic Cond _____ Type n/c <u>S.L.V</u>	At the time of the inspection, the sections of the reference documents to the Certificates of Compliance relating to the use & maintenance were not available.
Report item _____ 10 CFR _____ Lic Cond _____ Type n/c _____	
Report item _____ 10 CFR _____ Lic Cond _____ Type n/c _____	

**INSPECTOR'S REPORT**  
Office of Inspection and Enforcement

REVIEWER

INSPECTORS

LICENSEE/VENDOR <i>QC Service</i> <i>Division of Environmental Surveying</i> <i>23101 Derby St</i>	TRANSACTION TYPE 1 - INSERT 2 - MODIFY 3 - DELETE 4 - REPLACE	DOCKET NO. # (Regul) OR LICENSE NO. (BY PRODUCT) (113 #) (Regul)	REPORT NO.	SEC.	MO.	YR.
		<i>030-20443</i>	<i>8901</i>	A	<i>04</i>	<i>9</i>

PERIOD OF INVESTIGATION/INSPECTION FROM: MO. DAY YR. TO: MO. DAY YR. <i>04 13 89 04 13 89</i>	INSPECTION PERFORMED BY <input checked="" type="checkbox"/> REGIONAL OFFICE STAFF <input type="checkbox"/> RESIDENT INSPECTOR <input type="checkbox"/> PERFORMANCE APPRAISAL TEAM	ORGANIZATION CODE OF REGION/HQ CONDUCTING ACTIVITY (See IEMC 05.30 "Manpower Reporting - Weekly Manpower Reporting" for REGION DIVISION BRANCH)
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REGIONAL ACTION (Check one box only) <input checked="" type="checkbox"/> 1 - NRC FORM 801 <input type="checkbox"/> 2 - REGIONAL OFFICE LETTER	TYPE OF ACTIVITY CONDUCTED (Check one box only) 01 - SAFETY 02 - INCIDENT 04 - ENFORCEMENT 05 - MGMT. AUDIT 06 - MGMT. VST 07 - SPECIAL 08 - VENDOR 09 - MAT. ACCT. 10 - PLANT REC. 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 <i>0 3</i>	ENFORCEMENT CONFERENCE HELD A B C D 1 - YES	REPORT CONTAINS THE INFORMATION A B C D 1 - YES	LETTER OR REPORT TRANSMITTAL DATE NRC FORM 801 OR REG. LETTER ISSUED MO. DAY YR. REPORT SENT TO HQ FOR ACTION MO. DAY YR.
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MODULE INFORMATION												MODULE INFORMATION																			
REC. OLD	MODULE NUMBER INSP.					PRIORITY	DIRECT INSPEC. TECH EFFORT BY STAFF HOURS EXTENDED THIS INSPECTION	PERCENTAGE COMPLETED TO DATE	STATUS	MODULE REG FOLLOWUP					REC. OLD	MODULE NUMBER INSP.					PRIORITY	DIRECT INSPEC. TECH EFFORT BY STAFF HOURS EXTENDED THIS INSPECTION	PERCENTAGE COMPLETED TO DATE	STATUS	MODULE REG FOLLOWUP						
NUMBER	PHASE	MANUAL	CHAPTER	PROCEDURE NUMBER	LEVEL	SEC. #			PHASE	MANUAL	CHAPTER	PROCEDURE NUMBER	LEVEL	TYPE	NUMBER	PHASE	MANUAL	CHAPTER	PROCEDURE NUMBER	LEVEL	SEC. #				PHASE	MANUAL	CHAPTER	PROCEDURE NUMBER	LEVEL		
	5	9	2	7	0	2										5	8	3	8	2	2	A									
	Follow up on Previous Violations													Radiation Protection																	
	5	3	0	7	0	3										5	9	2	7	0	3	A									
	Management Meeting Entrance/Exit													Bulletin/IAP Followup																	
	5	8	7	1	0	0										5	8	7	1	0	0	A									
	Materials Inspection Program													Transportation																	
	6	8	3	8	9	0										5	8	4	8	5	0	A									
	Close out Inspection													10 CFR 61																	

CIRCLE SEQUENCE IF VIOLATION OR DEVIATION

1 2 3 4 5 10 12 13 14 15 16 17 18 19 20 21 26 1 2 3 4 5 10 12 13 14 15 16 17 18 19 20 21 26



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

DOCKET NO. (E FORM) OR LICENSE NO. (BY PRODUCT) (13 FORM)		R AT		MODULE NUMBER		SITE RELATED <input type="checkbox"/> A <input type="checkbox"/> B <input checked="" type="checkbox"/> C <input type="checkbox"/> D
83E-20443		NO.	REG.	58711061		
				VIOLATION SEVERITY OR DEVIATION		
				1 2 3 4 5 6 Sup 6		

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.)

1

2     Continuing to 10CFR 71.12(c)(1), at the time of the inspection,

3     The sections of the reference documents cited in the

4     Certificate of Compliance relating to the use of maintenance

5     were not available.

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

DOCKET NO. (8 digits) OR LICENSE NO. (BY PRODUCT) (13 digits)					JRT		MODULE NUMBER		VIOLATION SEVERITY OR DEVIATION	SITE RELATED																															
0	1	2	3	4	NO.	BEG.	1	2			3	4	5	6	7	8	9	A	B	C	D																				
0	3	0	-	2	0	4	1	3		8	9	0	1	A	5	1	8	7	1	1	0	1																			

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.)

1

2                    Contrary to 10CFR 20.407, at the time of the inspection,

3 the licensee had not sent its 1988 annual report to the

4 Commission.

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

DOCKET NO. (8 alpha) OR LICENSE NO. (8 alpha)				A. ACT		MODULE NUMBER		 SITE RELATED <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D
NO. (BY PRODUCT) (13 alpha)				NO.	SEQ.	VIOLATION SEVERITY OR DEVIATION		
CS 01-26443				5701	A	1 2 3 4 5 6		
					B	1 2 3 4 5 6		
					C	1 2 3 4 5 6		
					D	1 2 3 4 5 6		

VIOLATION OR DEVIATION (Enter up to 2400 characters for each item. If the text exceeds this number, it will be necessary to page/phrase. Limit lines to 50 characters each.)

1.

2. Contrary to 10CFR 34.43(c), at the time of the inspection, records of the final storage surveys conducted had not been maintained.

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SAFETY INSPECTION

1. LICENSEE <b>Q. C. Services</b> Division of World Technical Services, Inc. 23101 Foley Street Hayward, CA 94545		2. REGIONAL OFFICE <b>U. S. Nuclear Regulatory Commission</b> Region V 1450 Maria Lane, Suite 210 Walnut Creek, CA 94596	
3. DOCKET NUMBER(S)		4. LICENSE NUMBER(S) <b>04-14875-02</b>	5. DATE OF INSPECTION <b>April 12, 1979</b>

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), (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 Thyroid uptake surveys were not properly maintained. 10 CFR 24.4 (c) License Condition Number \_\_\_\_\_.

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

F. Reports or notifications of thyroid uptake surveys were not made in accordance with 10 CFR 24.4 or License Condition Number \_\_\_\_\_.

H. Failure to indicate in (a)(1), at the time of the inspection, the status of the compliance document cited in the Certificate of

I. Compliance with the manual in this case was not available

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 <b>4/11/79</b>	SIGNATURE - NRC INSPECTOR <b>T. Frank...</b>	DATE <b>4/19/79</b>
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Type of License: Radiography  
Licensee: \_\_\_\_\_

License No.: 04-14875-c2  
Docket No.: 030-20443

### 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 KSU 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 mrem, 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 3.
- Telephone Call to Licensee
- Management Meeting with Licensee
- Enforcement Conference with Licensee
- Escalated Enforcement (Civil Penalty)
- Early reinspection required. Date \_\_\_\_\_.

INSPECTOR'S COMMENTS

*Overall, the licensee conducts a good radiation safety program.*

J.R. Pomy  
Inspector

\_\_\_\_\_  
Section Chief

4/13/89  
Inspection Date

\_\_\_\_\_  
Date