

1. LICENSEE <b>TRUMBULL ONCOLOGY CENTER</b> <b>15 CORPORATE DRIVE</b> <b>TRUMBULL, CT 06611</b>	2. REGIONAL OFFICE <b>Region I</b> <b>U.S. Nuclear Regulatory Commission</b> <b>475 Allendale Road</b> <b>King of Prussia, PA 19406</b>
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3. DOCKET NUMBER(S) <b>030-21282</b>	4. LICENSE NUMBER(S) <b>06-20870-01</b>	5. DATE OF INSPECTION <b>MAY 17, 1989</b>
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**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 available, 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. \_\_\_\_\_

**DESIGNATED ORIGINAL**

Certified By **Green [Signature]**

**RETURN ORIGINAL TO REGION I**

**1E-07**

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.		<b>DAVID J. COLLINS</b> <b>[Signature]</b> <b>3/17/89</b>	
SIGNATURE - LICENSEE	DATE	SIGNATURE - NRC INSPECTOR	DATE

LICENSE NO: 06-20870-01

DOCKET NO. (s) 20-21282

PAGE        OF       

ATTACHED

- ☐ Appendix A  
☐ Appendix B  
☐ Appendix C  
☐ Memo

INSPECTION REPORT NO. 89-001

TRUMBULL ONCOLOGY CTR

15 CORPORATE DRIVE

TRUMBULL CT 06611

LICENSEE CONTACT: David Wishko, Ph.D

Telephone No: 263-261-1918

LICENSE NO: 06-20870-01

CATEGORY 6

PRIORITY: 3

2200

CATEGORY       

PRIORITY:       

CATEGORY       

PRIORITY:       

INSPECTION DATE (s): May 17, 1989

TYPE OF INSPECTION:

- ☐ SPECIAL ☐ ANNOUNCED  
☒ ROUTINE ☒ UNANNOUNCED  
☒ DAYSHIFT  
☐ OTHER

SUMMARY OF FINDINGS AND ACTION

- ☒ NO NONCOMPLIANCE, CLEAR 591 ISSUED  
☐ NO NONCOMPLIANCE, LETTER  
☐ NONCOMPLIANCE, APPENDIX A

- ☐ ACTION ON PREVIOUS NONCOMPLIANCE, APPENDIX B  
☐ NONCOMPLIANCE, 591 ISSUED  
☐ SUPPLEMENTAL INFO, APPENDIX C

RECOMMENDATIONS  
SEE BASIS IN APPENDIX C

- ☐ CHANGE CATEGORY TO:         
☐ NEXT INSPECTION DATE: 05/92

- ☐ CHANGE PRIORITY TO:

PERSONS CONTACTED

\* Paul Berger MD. Radiotherapist  
Harri Lisi Part-time Tech  
Frances Bici Sr. Techn  
\* David Wishko, Ph.D

TRUMBULL ONCOLOGY CENTER  
G. KOPELSON, M.D. P.S. BERGER, M.D. A.H. WEINSTEIN, M.D.  
15 CORPORATE DRIVE  
TRUMBULL, CT 06611

HAS AN APPOINTMENT ON

DAY        MONTH        DATE         
AT        A.M.        P.M.  
PLEASE TELEPHONE ONE DAY IN ADVANCE IF YOU ARE  
UNABLE TO KEEP THE APPOINTMENT  
PHONE (203) 61-1218

INSPECTOR: David J. Allen

5/24/89

APPROVED:       

B/B-1

INSPECTION REPORT \_\_\_\_\_

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787208 - Medical - Teletherapy

AREAS INSPECTED AND FINDINGS

Licensee: \_\_\_\_\_ License No: \_\_\_\_\_ Amendment No: \_\_\_\_\_

INSPECTION ITEM	CRITERIA	FINDING
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1. Organization

Lic Cond \_\_\_\_\_

Management organization?

Radiation protection organization?

Patient load?

NOTES & REMARKS:

*15 pts/day  
program set up  
by Bridgeport  
Hosp. under  
Wishko's  
department*  
*Paul S. Berger, MD RSO  
David Wishko, Ph.D. Medical Physicist.*  
*normal 8 pt/day*

2. Training and Instructions to Employees

Training program, scope and frequency,  
retraining?

Lic Cond \_\_\_\_\_ *Annual lecture*

Required tests administered, scores satis-  
factory?

Instructions to workers?

NOTES & REMARKS:

19.12

*not required  
OK*

3. Radiation Protection Procedures

Lic Cond \_\_\_\_\_

Operating and emergency procedures implemented;  
interlock failure, handling malfunctions  
during operations?

5-year maintenance?

Lic Cond 20

Emergency Procedures posted?

Lic Cond 16

Radiation room monitor mounted, operable?

Order

Tested? Survey meter used when inoperable?

NOTES & REMARKS:

*OK  
tech  
OK*



## AREAS INSPECTED AND FINDINGS

Licensee: \_\_\_\_\_ License No: \_\_\_\_\_ Amendment No: \_\_\_\_\_

INSPECTION ITEM	CRITERIA	FINDING
<b>4. Materials, Facilities and Instruments</b>		
Teletherapy unit location, interlock system operational, required tests? (every 6 months, records)	Lic Cond 10, 17, 19	OK done
Access controls, posting of areas & rooms?	20.203	OK done
Survey instruments & dosimeters operable, properly calibrated?	Lic Cond _____	calibr. once a year.
Patient viewing system?	Lic Cond 13	OK
NOTES & REMARKS:	Communications	OK.

**5. Personnel Protection - External**

Personnel monitoring control; minimize exposures, control of accumulated dose? 20.101, 20.102, 20.202

Surveys conducted following last source change? Sent to NRC? Adequate? 20.201 Lic Cond 18

Levels in unrestricted areas? 20.1, 20.104

Stops installed? ~~Dec 85~~ Lic Cond 15

NOTES &amp; REMARKS:

~~Sept 86~~

Feb 86 Dec 86

July 87 > 7 months

Jan 88 > 6 mo.

July 88 > 6 mo.

Jan 89 > 6 mo.

Victorine Thebes too

Landauer

Calibrations done OK! 86 87 88

field size  
Feb 88**6. Leak Tests of Sources**

Lic Cond 14

Performed by authorized persons & methods:

Performed at 6-month (or other) interval?

Records maintained; reports submitted of leaking sources; corrective action taken?

NOTES &amp; REMARKS:

OK

OK

OK

## AREAS INSPECTED AND FINDINGS

Licensee: \_\_\_\_\_ License No: \_\_\_\_\_ Amendment No: \_\_\_\_\_

INSPECTION ITEM	CRITERIA	FINDING
<b>7. <u>Notifications and Reports</u></b>		
To individuals?	19.13	none
Overexposures, excessive levels, incidents?	20.403, 20.405	none
Personnel exposures and monitoring, termination reports?	20.407, 20.408	none
Theft or loss of licensed material:	20.402	none
Misadministrations?	35.41 - 35.45	none
NOTES & REMARKS:		
<b>8. <u>Annual Calibration</u></b>		
At required intervals?	35.21 (a)	July
Include all required tests?	35.21 (b)	O.K.
Properly calibrated dosimetry system?	35.23 (a)	O.K.
Performed by a qualified expert?	35.21 (e), 35.24	O.K.
Decay corrections for interval not exceeding 1 month?	35.21 (d)	O.K.
Records available?	35.25	yes.
NOTES & REMARKS:		
<b>9. <u>Spot Check Measurements</u></b>		
At required intervals?	35.22 (a) <sup>.634</sup>	monthly
Include all required tests?	35.22 (b)	yes
Performed by qualified expert or reviewed by qualified expert within 15 days?	35.22 (c), 35.24	yes
Properly calibrated dosimetry system?	35.23 (b)	yes -
Records available?	35.25	yes.
NOTES & REMARKS:		
<b>10. <u>Posting of Notices</u></b>		
Part 20, license & documents, procedures, notice of violations?	19.11 (a)	OK
NRC-32	19.11 (c)	OK
NOTES & REMARKS:		

INSPECTION REPORT NUMBER \_\_\_\_\_

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787208 - Medical - Teletherapy

AREAS INSPECTED AND FINDINGS

Licensee: \_\_\_\_\_ License No: \_\_\_\_\_ Amendment No: \_\_\_\_\_

INSPECTION ITEM	CRITERIA	FINDING
11. <u>Other License Conditions</u>		_____

NOTES & REMARKS:

12. Confirmatory Measurements

Output check?

*Ludlum 3*

Confirmation of condition 18 survey?

NOTES & REMARKS:

NRC Instrument:

*Ludlum 3*

Calibration Due Date:

*7/1/89*

13. Independent Inspection Effort

NOTES & REMARKS:



INSPECTION REPORT NUMBER \_\_\_\_\_

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## APPENDIX A - DOCUMENTATION OF NONCOMPLIANCE

Licensee: \_\_\_\_\_

License No: \_\_\_\_\_

### Reference

Basis for noncompliance

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 C R \_\_\_\_\_

Life Cond \_\_\_\_\_

Type n/c \_\_\_\_\_

Report item \_\_\_\_\_

10 CFR \_\_\_\_\_

Lic Cond \_\_\_\_\_

Type n/c \_\_\_\_\_

Report item \_\_\_\_\_

10 CFR \_\_\_\_\_

Lic Cond \_\_\_\_\_

Type n/c \_\_\_\_\_

INSPECTION REPORT NUMBER \_\_\_\_\_

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APPENDIX B - LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS

Licensee: \_\_\_\_\_

License No: \_\_\_\_\_

Identification and summary of action taken

Status

Report No: \_\_\_\_\_ Type n/c: \_\_\_\_\_ Describe: \_\_\_\_\_

Action taken: OPEN  
CLOSED

Report No: \_\_\_\_\_ Type n/c: \_\_\_\_\_ Describe: \_\_\_\_\_

Action taken: OPEN  
CLOSED

Report No: \_\_\_\_\_ Type n/c: \_\_\_\_\_ Describe: \_\_\_\_\_

Action taken: OPEN  
CLOSED

Report No: \_\_\_\_\_ Type n/c: \_\_\_\_\_ Describe: \_\_\_\_\_

Action taken: OPEN  
CLOSED

Report No: \_\_\_\_\_ Type n/c: \_\_\_\_\_ Describe: \_\_\_\_\_

Action taken: OPEN  
CLOSED

Report No: \_\_\_\_\_ Type n/c: \_\_\_\_\_ Describe: \_\_\_\_\_

Action taken: OPEN  
CLOSED



(July 82)

INSPECTION REPORT NUMBER \_\_\_\_\_

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APPENDIX C - SUPPLEMENTARY INFORMATION

Licensee: \_\_\_\_\_

License No: \_\_\_\_\_

- ☐ ( ) Uncorrected/repeated noncompliance
- ☐ ( ) Unusual occurrence, conditions, etc
- ☐ ( ) Basis for change of Category or Priority

- ☐ ( ) Unresolved items
- ☐ ( ) Inspector's comments

05/24/89

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U.S. NUCLEAR REGULATORY COMMISSION  
REGION 1  
OPEN ITEMS TRACKING SYSTEM

DOCKET NUMBER: 30-21262

REPORT NUMBER	STATUS	DATE OPEN	DATE CLOSED	REVIEWER NAME	CLOSING OPTION	REFER
1 89-01	CLOSE	05/17/89	05/17/89	COLLINS	VIOL	89-01

ITEM: CLEAR INSPECTION - 591 ISSUED