

Attached N/A

## DATA SHEET

Appendix A

Appendix B

Appendix C

☒ ☐  
☒ ☐  
☒ ☐

DOCKET NO. \_\_\_\_\_

FACILITY ISO MEDIXINSPECTION NO. 760CITY, STATE Parsippany NJDATE/S Nov 17, 1976

SUBJECT - RADIATION SAFETY

LICENSE NO/S. 29-15369-01

PHONE # FTS \_\_\_\_\_

LOCAL

201-887-4700INSPECTOR E. MartinREVIEWER William M. Vintch
 TYPE OF INSPECTION: ☐ INITIAL  
☒ REINSPECTION

☐ SPECIAL  
☐ ROUTINE

☐ ANNOUNCED  
☒ UNANNOUNCED
DATE OF LAST INSPECTION: 7/20/76RECOMMENDED DATE, NEXT INSPECTION: 11/77
☒ SPECIAL  
☐ ROUTINE
TYPE OPERATION: radiation by. independent

SCOPE OF OPERATION

☐ SMALL  
☐ MEDIUM
☒ LARGE

PRESENTLY CLASSIFIED CAT/PRI \_\_\_\_\_; AS OF AMENDMENT NO. \_\_\_\_\_

☐ NO CHANGE REQUIRED☐ CHANGES TO CAT/PRI \_\_\_\_\_☐ PER ATTACHED MEMO DATED \_\_\_\_\_SUMMARY OF FINDINGS
☐ NO NONCOMPLIANCE NOTED  
☐ 591 ☐ ROL ☐ OTHER  
☐ NO SPECIAL PROBLEMS
☒ SEE APPENDIX A FOR NONCOMPLIANCE ITEMS
☒ SEE APPENDIX B FOR PROBLEM AREAS  
 RELATIVE TO Storage of 60 sources
PERSONS CONTACTED\*NAMETITLEORGNAMETITLEORG

- |                                      |     |
|--------------------------------------|-----|
| 1. Tom Mayfield - Chairman of Board. | 6.  |
| 2. William Owens - Manager & opr.    | 7.  |
| 3. Robert Camp - operator            | 8.  |
| 4. J. Young - operator               | 9.  |
| 5.                                   | 10. |

\* MANAGEMENT MEETING ATTENDEES

# INSPECTION PLAN

Submitted \_\_\_\_\_ Date \_\_\_\_\_

Approved \_\_\_\_\_ Date \_\_\_\_\_

INSPECTION ITEMS	SCHEDULED INSPECTION	MC-26 PROCEDURE NO.	POST INSPECTION STATUS
*Management Meeting-Entrance and Exit Interviews <i>1/2 hrs</i>	<i>with J. Mansfield (Chairman of Board)</i>	30703B	<i>✓</i>
Initial Management Meeting	<i>1 week after</i>		
*Inspection Group - <i>7776-B</i>			
Licensee Event Followup	<i>for listing of 6<sup>th</sup> minor</i>	92700B	<i>✓</i>
Followup on Inspector-identified Problems	<i>N/A</i>	92701B	
Followup on Noncompliance and Deviations	<i>N/A</i>	92702B	
IE Bulletin/Immediate Action Letter Followup	<i>N/A</i>	92703B	
Followup on Headquarters Requests	<i>N/A</i>	92704B	
Followup on Regional Requests	<i>N/A</i>	92705B	
*Independent Inspection Effort	<i>✓</i>	92706B	<i>1/10 noted</i>
Inspector Dispatched to Site		93700B	
Followup on Significant Event Occurring During an Inspection	<i>yes, meeting held 3/10/80</i>	93701B	

\*Required Inspection Items

*Independent Sampling Program*

## DATA SHEET

MC 2850 - 787103

FACILITY Sp. medicalINSPECTION NO. 7602

PAGE 1 OF 3

License No. 29-15364-01DATE 11/17/76INSPECTOR Epstein

Inspection Group

MEDICAL SubjectMODULE 77710B

INSPECTION ITEM	SOURCE OF INFORMATION	ACCEPTANCE CRITERIA	FINDINGS*
1. <u>ORGANIZATION</u> Management and Radiation Protection Organization Requirements	Letty Res is also in Charge of Rad. Safety report on Rad. Safety to Fairfield Chairman of the Board.	L/C <u>14</u>	C
2. <u>LICENSEE AUDITS</u> Internal Inspection System, Management Controls	Small organization constant surveillance applicable	L/C <u>14</u> which references license application	C
3. <u>TRAINING AND INSTRUCTIONS</u> a. Training Program b. Instructions to Workers c. Required Tests Administered; Scores Satisfactory	yes having lecture to all personnel every 3 months yes as in book up yes	L/C <u>14</u> which references license application 19.12 L/C <u>14</u>	C
4. <u>RAD. PROTECTION PROCEDURES</u> Operating and Emergency Procedures Implemented	yes Extreme Emergency procedures enacted after incident in 1977	L/C <u>14</u>	C
5. <u>MATERIAL, FACILITIES, &amp; INSTRUMENTS</u> a. Authorized Uses and Quantities b. Restricted Areas, Posting Requirements c. Survey Instruments & Dosimeters Operable, Calibrated d. Sealed Source Inventory	yes 150,000 Ci in Cell 2 700,000 Ci in Rad. pool 90,000 Ci in Cell 1 98,100 Ci Resonance 157	L/C <u>14</u> ; 35.14, 35.100 20.203 L/C <u>14</u> which references license application 35.14(b)(5)(v), (f)(2)	C

\* Code

NA = Not Applicable

C = Compliance

V = Violation

I = Infraction

D = Deficiency

X = Deviation

U = Unresolved

INSPECTION ITEM	SOURCE OF INFORMATION	ACCEPTANCE CRITERIA	FINDINGS*
6. <u>RECEIPT AND TRANSFER</u>			
a. Procedures Available and Implemented	yes records of transfer of restricted	20.205; 71.51	
b. Transfer of Byproduct Material	used is clean up + 3 burners	30.41	
c. Proper Labeling and Packaging	W. K. K. K.	71.5; 49 CFR 170-189	
d. Records of Package Receipt, Transfer, Storage, Monitoring		30.51	C
7. <u>PERSONNEL RAD. PROTECTION - EXT</u>			
a. Personnel Monitoring Control, Exposure Minimization, Accumulated Dose	yes to mostly business film	20.101, 20.102	MC
b. Surveys Required	facility	20.202	the line
c. Records of Monitoring, Surveys, Disposal		20.201	1400 men
d. Unrestricted Area Levels	only only extent building is now	20.401; L/C 17	5th quarter
8. <u>PERSONNEL RAD. PROTECTION - INT</u>			
a. Airborne Concentration in Restricted Areas	violated because all sources	20.103	1976
b. Exposure of Minors	have been removed from	20.104	violated
c. Posting of Radiation Areas	contaminated pool	20.203(d)	1400 men
d. Survey and Monitoring Requirements; Records	these areas are adjacent to	20.201	over 100
e. Leak Testing of Sealed Sources	hot cell & service area	20.401	violated
9. <u>EFFLUENT CONTROL &amp; WASTE DISPOSAL</u>			
Release of Effluents, Waste Disposal, Procedures, Records	low room - 1 m/s	L/C; 35.14(b)(5)(i), (e)(1)(1)	
	see spec - 2 m/s	20.106	
	hallway - 10-12 m/s	20.301, .303, .304, .305	
	all ports	20.401; L/C 14	C
10. <u>SHIPPING INCIDENTS</u>			
Incidents Since Last Inspection	None	20.205(b), (c)	
Corrective Actions		71.5, 49 CFR 170-189	None

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INSPECTION ITEM	SOURCE OF INFORMATION	ACCEPTANCE CRITERIA	FINDINGS*
11. <u>NOTIFICATIONS AND REPORTS</u> a. To Individuals b. Overexposures; Excessive Levels, Conc. c. Of Incidents d. Personnel Exposures and Monitoring Termination of Work e. Theft or Loss of Licensed Material	Misfiled no report to McKinn ✓ no report to NRC No	19.13 20.405 20.403 20.407 20.408 20.402	
12. <u>POSTING OF NOTICES</u> Notices to Workers	seen ✓	19.11	
13. <u>CONFIRMATORY MEASUREMENTS</u> Confirm Licensee's Results of Surveys	Took water samples took means made rad. survey	Inspector Judgement	new post 4.5410 uCi/m old - 4.5410 uCi/m 0.057 uCi/m 200 uCi the
14. <u>SPECIAL CONSIDERATIONS</u> a. $^{99}\text{Mo}$ breakthrough b. $^{133}\text{Xe}$ procedures and surveys c. Accountability for therapeutic implant sources d. Surveys to insure removal of therapeutic implants	NA	L/C _____ L/C _____ Accepted radiological practices Accepted radiological practices	3.75 uCi in old post ent.
15. <u>SPECIAL DOSE CONSIDERATIONS</u> Lenses of Eyes, Extremities Ancillary Personnel	NA	Inspector Judgement 20.201(b) ref. 20.101	

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## NONCOMPLIANCE BACKUP

Facility Joe Miller Insp. No. 7602License No. 29-15364-01

## BASIS FOR CITATION

Item # 1  
 10 CFR 20.101 b  
 L/C  
 \*Class Inf.

McKinn received a total of 1400 minor assessing  
 in decontamination and removal of sources to pool from  
 100 in one two weeks in Aug.  
 3rd quarter overexposure because he exceeded his  
 life time dose in 1974 from a 1974 overexposure  
 of 400rad.

Item # (2)  
 10 CFR 20.405  
 L/C  
 \*Class Inf.

20 405 no report of above to Commission

Item # 3  
 10 CFR 19.13  
 L/C  
 \*Class Inf.

report to Individual concerned.  
 of above overexposure

Item # 4  
 10 CFR 30.41 C  
 L/C  
 \*Class Def

License transfers 3 to 137 Gammon's <sup>information on</sup> only gets a  
 license II  
 activity with 400C. as ~~he~~ does not keep any  
 record of license document assuming that  
 transferor has and to get paid? life of value of

Item #  
 10 CFR  
 L/C  
 \*Class

Item #  
 10 CFR  
 L/C  
 \*Class



APPENDIX B

- ☒ Inspector Comments
- ☐ Unresolved Items
- ☐ Uncorrected or Repeated n/c
- ☒ Unusual Occurrences, Etc.

Facility Innindex Inspection No. 7602

License No. 29-15234-01

The next inspector should be aware of the following: of large contamination appearing in source storage pool and start of writing activity in new pool. Newton Products Co source believed to be the offender.

Counting in 55" x 11/10/76.

$$\frac{148352 \text{ cpm}}{2.22 \times 10^6 + 50 \text{ ml} \times 10261} = 105 \text{ nci/ml}$$

~~or 51 nci/ml~~

200 gal remaining

325 nci  $\text{Co}^{60}$  still in pool

Large pool (new) with Newton Products source.  
 $4.5 \times 10^{-6} \text{ nci/ml}$

Means:

behind yellow line shoe print requested  
 $4064 \text{ dpm/100 cm}^2$

From Cell 1 above service area  
roped off

$52.55 \text{ dpm/100 cm}^2$

Center service area  $\frac{1191 \text{ dpm}}{100 \text{ cm}^2}$

Port side cells =  $\frac{319 \text{ dpm}}{100 \text{ cm}^2}$

Office area =  $75 \text{ dpm/100 cm}^2$

APPENDIX C - SPECIAL CONSIDERATIONS

Licensee \_\_\_\_\_ Lic. No. \_\_\_\_\_ Insp. No. \_\_\_\_\_

<u>Inspection Item</u>	<u>Source of Information</u>	<u>Acceptance Criteria</u>	<u>Findings</u>
<b>A) Dose Considerations:</b>  (1) Lenses of Eyes (2) Extremity Doses - (Rings) (3) Ancillary personnel (Nurses)		Inspector judgment 20.201(b) ref. 20.101	
<b>B) Teletherapy</b>  (1) Posting (2) Interlocks (3) 5 year maintenance (4) Malfunctions		Inspector judgment 20.101; 20.105	
<b>C) Medical</b>  (1) Authorized Procedures Authorized Materials Authorized Users Authorized Instruments  (a) Mo <sup>99</sup> breakthru (b) Calibrated as per L/C _____  (2) Leak Tests  (3) Sealed Source Inventory  (4) Xe133 & others auth. by L/C _____		35.14, 35.100   L/C   35.14(b)(5)(1) 35.14(e)(1)(1)  35.14(b)(5)(v) 35.14(f)(2)  L/C	