

LYNCH

DESS

March 18, 1987

MEMORANDUM FOR: Richard Woodruff, State Agreements Officer, Region II
Robert Doda, State Agreements Officer, Region IV
Jack Horner, State Agreements Officer, Region V

FROM: Roland Lickus, Chief, State and Government Affairs, Region III

Enclosed you will find a notification of Significant Enforcement Action against Radiation Sterilizers, Inc. This action was taken based upon violations identified at two facilities (Gamma Irradiators) in Illinois and Ohio. We understand that similar Radiation Sterilizer facilities are operated in the states of Texas, California, and Georgia, and suggest that you may want to pass this information along to those states.

Roland Lickus, Chief
State and Government Affairs

Enclosure: As stated

cc w/enclosure:
D. Nussbaumer, OSP

RII

Lickus/kst
3/18/87

RIII

Lynch
3/18/87

RIII

Wiedeman
3/18/87

RIII

SRENIAWSKI
3/18/87

6/11

March 12, 1987
EN 87-20

OFFICE OF INSPECTION AND ENFORCEMENT
NOTIFICATION OF SIGNIFICANT ENFORCEMENT ACTION

Licensee: Radiation Sterilizers, Inc.
Docket No. 030-19025

Subject: PROPOSED IMPOSITION OF CIVIL PENALTY - \$10,000

This is to inform the Commission that a Notice of Violation and Proposed Imposition of Civil Penalty in the amount of Ten Thousand Dollars (\$10,000) will be issued on or about March 17, 1987 to Radiation Sterilizers, Inc. This action is based on numerous health physics violations including: (1) failure to maintain warning devices in an operable condition, (2) failure to check irradiation cells for personnel prior to exposing the source, and (3) failure to utilize personnel access control tags. The base civil penalty was increased by 100% because: (1) the licensee failed to take effective corrective actions for previous violations, (2) the licensee had notice that the safety device's were inoperable but did not correct the problem, and (3) some of the violations existed for several months.

It should be noted that the licensee has not been specifically informed of the enforcement action. The Regional Administrator has been authorized by the Director, Office of Inspection and Enforcement, to sign this action. The schedule of issuance and notification is:

Mailing of Notice	March 17, 1987
Telephone Notification of Licensee	March 17, 1987

A news release has been prepared and will be issued after the licensee receives the Notice. The State of California will be notified.

Ohio and Illinois
The licensee has thirty days from the date of the Notice in which to respond. Following NRC evaluation of the response, the civil penalty may be remitted, mitigated, or imposed by Order.

Contact: P. Robinson, IE 29583

A. Beach, IE 24909

Distribution:

H Street	MNBB	Phillips	EW	Willste
Chairman Zech	EDO	NRR	IE	NMSS
Comm. Roberts	DED/ROGR		OIA	
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ACRS				
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OGC		RIV	PDR	
		RII	RV	
		RIII	RES	

PRELIMINARY INFORMATION - NOT FOR PUBLIC DISCLOSURE UNTIL PUBLICLY ANNOUNCED.

~~8703200298~~ Lp.

MR 87 382



UNITED STATES NUCLEAR REGULATORY COMMISSION

OFFICE OF PUBLIC AFFAIRS, REGION III
799 Roosevelt Road, Glen Ellyn, Illinois 60137

NEWS ANNOUNCEMENT: 87-24

CONTACT: Jan Strasma 312/790-5674
Russ Marabito 312/790-5667

DKSS

NUCLEAR REGULATORY COMMISSION STAFF PROPOSES \$10,000 FINE AGAINST A CALIFORNIA FIRM FOR VIOLATIONS OF NRC REQUIREMENTS AT ITS TWO RADIATION STERILIZING FACILITIES IN ILLINOIS AND OHIO

The Nuclear Regulatory Commission staff has proposed a \$10,000 fine against Radiation Sterilizers, Inc., of Menlo Park, California, for violations of NRC safety requirements at the company's irradiator facilities in Schaumburg, Illinois and Westerville, Ohio.

The company is licensed by the NRC to use radioactive material (cobalt-60 and cesium-137) to sterilize medical products through irradiation.

An NRC inspection on January 14, 1987, at the Schaumburg facility and January 27, 1987, at the Westerville facility, determined that the licensee failed to promptly repair safety-related systems after they became aware that the systems were not functioning properly.

Specifically, NRC inspectors found that operators at each location failed to make a thorough visual check of the entire irradiation cell (a large room containing the radioactive sources) prior to exposing the sources---a violation of NRC requirements. The inspections also found that smoke and temperature alarms in the cells were not tested on a monthly basis, as required.

Other violations included: At the Schaumburg facility -- failure to maintain an operable warning light outside the cell to warn when irradiation was taking place and failure to maintain an emergency telephone call list in the control room. At the Westerville facility -- failure of a cell entry door to remain closed (it malfunctioned and opened during the NRC inspection raising the possibility that it could open again at a more critical time) and failure to maintain a seismic detector in an operable condition to automatically halt irradiation in the event of an earthquake.

In notifying the company of the proposed fine, A. Bert Davis, Acting Regional Administrator, said "these violations demonstrate a significant breakdown in management oversight and control of the company's radiation safety program."

The company has until April 16, 1987, to pay the proposed fine or protest it. If the fine is protested, the NRC staff will consider the basis of the protest in determining whether to formally impose the fine. If the fine is imposed, the utility may request a hearing.

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March 20, 1987

B/r



UNITED STATES
NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT
Washington, D.C. 20555

INSPECTION AND ENFORCEMENT MANUAL

01

CHAPTER 2800

MATERIALS INSPECTION PROGRAM

2800-01 PURPOSE

To establish the inspection program for licensees authorized to possess and use licensed material for radiography, medical programs, academic and industrial uses, waste disposal operations, manufacturing and distribution of products, and leak testing, calibration, other types of services, and transportation related thereto.

2800-02 OBJECTIVES

02.01 To establish general policy for the materials inspection programs, including priorities for inspection.

02.02 To define specific requirements for inspection of materials licenses.

02.03 To aid in the achievement of a consistent process of inspection for materials licensees.

2800-03 DEFINITIONS

03.01 Inspection Priorities. The priority number assigned to a licensee is based on the potential hazard of the licensee's programs. For example, a license with an inspection Priority 1 is one in which there is the greatest potential for hazards in health and safety; this priority requires the most frequent inspections because of the nature of the operations. On the other hand, an inspection Priority 7 involves little potential hazard to health and safety and requires less frequent inspection.

03.02 Telephonic Contacts. These are contacts done by telephone using a questionnaire to determine the status of licensees' activities. These contacts are only used for the low priority licenses, Priorities 6 and 7, and under certain conditions, Priority 5 licenses (see Enclosure 1 for instructions).

03.03 Telephonic Inquiries. These are inquiries done by telephone to determine (1) some facts about the licensed program such as reminding the licensee that its license is near expiration, (2) if there is sufficient activity to conduct an inspection (radioactive material may be in storage), or (3) if the licensee actively possesses radioactive material under its

B/13

04.06 Inspection Activities and Licensee Inspection Fees. The following guidance is being provided to assist in determining when activities constitute an inspection and when fees applicable to those activities will be charged to the licensee. R
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R

- a. Before scheduling an initial inspection, determine if the licensee possesses any radioactive material. An initial inspection should not be attempted if it is determined that the licensee does not possess licensed material. An inspection should not be considered to have been performed if, after arriving on an announced initial inspection, it is found that no radioactive material is possessed. Before attempting an initial inspection, the licensee should be contacted by telephone. R
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- b. An inspection should not be considered to have been performed (1) if, after arriving on an unannounced inspection, it is found that no radioactive material is possessed or used because of disposal or storage of the material and no inspection activities are performed or (2) if the licensee or licensee's representatives are not available to assist with the inspection and the inspector is unable to perform inspection activities. On the other hand, if it is possible to inspect records or other items according to license conditions or NRC regulations, such activities should be inspected and be recorded as an inspection whether the radiation safety officer (RSO) is present or not, including those licenses that have been terminated. R
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- c. For any situation where an inspection was not performed as defined above, the region should not prepare an NRC form notification to the licensee or other type of document that is sent to the licensee and the region should not record the attempted inspection in the License Management System (LMS) as "an inspection." However, a note should be placed in the docket file to record the reason an inspection could not be performed and giving a date when the next inspection should be performed. The "next inspection date" data element in the LMS should be changed to reflect the new date. R
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- d. Telephone contacts are not inspections. Therefore, the results of these activities should not be recorded on an NRC-591 form or in a Notice of Violation. The fact that a telephone contact of a licensee was made should not be entered into the LMS as an inspection. However, the Regulatory Information Tracking System (RITS) allows the time spent in gathering factual material to be charged against the time budgeted for performing routine inspections. R
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04.07 Unannounced Inspections. With the exceptions provided in the above sections of this manual chapter, all other materials inspections should be performed on a strictly unannounced basis. R
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2800-05 TELEPHONE CONTACTS

As defined in 03.02, contacts by telephone are a useful means of maintaining contact with licensees who are never inspected or are inspected infrequently. Such contacts may be performed by an adequately trained person R
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The designated inspection priority for these licensees should not be changed in the LMS. However, the "next inspection date" data element in the LMS should be changed to contain the extended date for the next inspection. To support the extension in the interval between inspections, a brief note should be written giving the basis for the extension, approved by the Section Chief, and placed in the docket file.

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2800-08 REDUCTION OF INSPECTION INTERVAL

The interval between inspections may be reduced (shortened) and inspections conducted more frequently than specified by the priority system on the basis of minimally satisfactory performance on the part of the licensee. The governing consideration in reducing the inspection interval should be a lack of confidence in the level of performance in safety and compliance on the part of the licensee that indicates continuing adequate protection of worker and public safety will not be provided without increased attention by the licensee and the NRC. The determination to reduce the inspection interval shall be made on the basis of an inspection, considering current and prior findings. For computer entry, the letter R shall be entered for licensees on a reduced inspection interval.

The designated inspection priority for these licensees should not be changed in the LMS. However, the "next inspection date" data element in LMS should be changed to contain the date for the next inspection based on a reduction of the interval between inspections. A brief note should be written giving the basis for the reduction, approved by the Section Chief, and placed in the docket file.

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2800-09 SCHEDULING OF INSPECTIONS

09.01 Basis for Scheduling. The month in which an inspection is actually performed may be completed earlier or later than scheduled (by its placement in the priority system) for the purpose of the efficiency realized in inspector travel time. The efficiencies of travel time should be balanced against the basic purpose of the inspection priorities, that is, effective use of an inspector's time versus the potential hazards in a licensee's operation. A low-priority licensee should not be over inspected just because an NRC inspector is in the area of the facility. Inspection of a high-priority licensee should not be unduly delayed merely for scheduling purposes.

09.02 Radiography Inspections. For radiography licensees that are authorized to conduct radiography at temporary job sites, an inspection of a temporary job site should be attempted for at least 25% of these licensees. For a number of the inspections of temporary job sites, attempts should be made to accompany licensee auditors during a quarterly audit of those sites. The accompaniment of auditors may be on an announced basis.

09.03 Combining Inspections. If a licensee holds more than one kind of license (that is, of different priorities), a single inspection may be scheduled whenever practicable to aid in more effective use of inspector's time spent in travel status. In the determination to combine inspections on a continuing basis, consideration should be given to "over inspecting" a lower priority license versus the need and desirability of inspecting a licensee's total activities for a more complete picture of its safety and

2800-10 REGIONAL RESPONSIBILITY FOR LICENSES

10.01 General. When a license authorizes operations in more than one region, the responsibility for inspection shall reside with the regional office in which the licensee's main office is located. The main office means the corporate office, normally the address given on the license.

10.02 Assistance in Inspections. In the interest of efficiency in travel time and funds, the responsible regional office shall request another regional office to conduct inspections (assist inspections) of the activities of such licensees when the licensee is operating outside the geographical area of the responsible region. The inspecting region should provide complete documentation (draft inspection report) and recommend enforcement action to the responsible region. The responsible region should distribute the documentation, initiate enforcement action, and take other followup actions, as appropriate to the case. These last two actions shall be completed by mutual agreement of the regional offices involved.

When requesting assist inspections, the regional offices shall take into consideration the sample size of inspections for which they are requesting assistance. In this effort, the regions should differentiate between large and small companies and establish different inspection programs for each general class of licensee. Some companies have many field offices and others have few. The strength of the licensee's internal inspection program is another factor in determining the sample size of the licensee's field operations.

10.03 Transfer of Responsibility. Notwithstanding the above (10.01 and 10.02), when a license carries an address that places the inspection responsibility in one region and operations under the license occur principally within another region, the inspection responsibility may be transferred to the region in which the operations are performed. This transfer shall be done with mutual agreement of the regional offices involved. The regional offices should ensure that the appropriate changes are made to the LMS to show which office has the overall responsibility for inspection and enforcement.

2800-11 INSPECTION OF GENERAL LICENSEES

11.01 Routine Inspection Not Required. With the exceptions specified in 11.02, inspections of general licensees are not required on a routine basis. However, inspections shall be made to resolve allegations, complaints, or other indications of an unsafe practice or a case of noncompliance, or when such an inspection is directly pertinent to an inspection involving a specific license. Any inspections conducted under the above provisions should be done during activities conducted in areas of NRC jurisdiction.

11.02 Inspection of Activities Under Reciprocity. The NRC region in which an Agreement State is located is the recipient of the NRC-241 form report from a State licensee of its proposed activities in non-agreement States. The regional office receiving the NRC-241 form shall take action on the report, including prompt notification of the NRC regional office having jurisdiction in the area in which the Agreement State licensee's activities take place. The responsible regional office shall make every reasonable effort to conduct inspections of Agreement State licensees at the same frequency as the NRC licensees.

15.02 Data should be entered promptly into the LMS at the time a new license is issued or an inspection has been performed, including the dates for initial inspections of new licensees, the last inspection date, and the next inspection date for licensees already inspected.

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2800-16 INSPECTION PROCEDURES FOR THE MATERIALS PROGRAM

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Table 2 lists the inspection procedures that should be used in the materials inspection program and the frequency for use of each procedure.

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R

END

Enclosures:

1. Tables
2. Appendix

Table 1 Inspection Priority by Program Codes

Program Code	Category Title	Remarks	Priority	
01100	Academic Type A Broad	Committee approved users	2	
01110	Academic Type B Broad	RSO approved users	3	
01120	Academic Type C Broad	Named users	5	
01200	Academic Other (Secondary Code)	Classroom teaching- Physics, Biology, or Chemistry (see program code 03620)		
02110	Medical Institution Broad	Hospitals only	2	
02120	Medical Institution Other - Group	Hospitals only	3	
02121	Medical Institution Other - Groups I, II (includes Diagnostic - Limited Therapeutic)		5	
02200	Medical Private Practice - Group		5	
		Clinics and diagnostic medical centers with one or more physicians	3	
02201	Medical Private Practice - Groups I, II (includes Limited Diagnostic, Limited Therapeutic)	Lixiscopes by podia- trists, physicians (bone mineral analysis) Also iodine-131 for diagnostic/therapeutic	5	
02210	Eye Applicators Strontium-90	Hospitals or physician's offices	5	
02220	Nuclear Medical Vans		3	
02300	Teletherapy	Human use only	3	
02400	Veterinary Nonhuman		5	
02410	In Vitro Testing Laboratories		5	
02500	Nuclear Pharmacies		2	
02510	Medical Product Distribution-32.70	(No active licenses)	-	R
02511	Medical Product Distribution-32.72	Radiopharmaceuticals	3	R
02512	Medical Product Distribution-32.73	Reagent Kits	5	R
		Mo/Tc generators	3	R
02513	Medical Product Distribution-32.74	Group VI materials, calibration and references sources	3	R
03110	Well Logging Byproduct and/or SNM Tracer and Sealed Sources		3	
03111	Well Logging Byproduct and/or SNM Sealed Sources Only		3	
03112	Well Logging Byproduct Only-Tracers Only		3	
03113	Field Flooding Studies		3	
03120	Measuring Systems Fixed Gauges		7	
03121	Measuring Systems Portable Gauges	Industrial Lixiscope	5	
		Moisture/density gauges	4	R

Program Code	Category Title	Remarks	Priority	
03251	* Exempt Distribution Time Pieces - 32.14	H-3, Pm-147, and other isotopes in 30.15	5	R
03252	* Exempt Distribution - 32.17	Sc-46 resins	5	R
03253	* Exempt Distribution - 32.18	Byproduct material in processed chemical elements, compounds, mixtures, tissue samples, bio-assay samples, etc.	5	R
03254	* Exempt Distribution - 32.22	Self-luminous products	5	R
03255	* Exempt Distribution - 32.26	Smoke detectors	5	R
03310	Industrial Radiography Fixed		1	
03320	Industrial Radiography Temporary Job Sites		1	
03510	Irradiators Self Shielded <10,000 Curies		3	
03511	Irradiators Other <10,000 Curies	Animal teletherapy <1000 curies from which no beam can be extracted	3	
03511	Irradiators Under Construction		6	R
03520	Irradiators Self Shielded >10,000 Curies		W	
03521	Irradiators Other >10,000 Curies	Pool type, other gamma cells	3	
03521	Irradiators Under Construction		1	R
03610	Research and Development Type A Broad	Committee approved Users	3	
03611	Research and Development Type B Broad	RSO-approved users	2	
03612	Research and Development Type C Broad and nonBroad Small	Named users	5	
	Multisite-Multiregional Type A Broad (Secondary Code)		-	
03620	Research and Development Other	Teaching, non-routine in vitro, Program Code 01200, and other	5	R
03710	Civil Defense		7	
11200	Source Material Other <150 Kilogram		3	
11210	Source Material Shielding		7	R
11220	Source Material Military Munition Testing	Indoors/ outdoors	7	
11230	Source Material General License Distribution - 40.34		3	R
			5	R

Table 2 Inspection Procedures

The procedures listed in this table comprise the inspection program for materials licensees. The list of procedures is divided into two parts, programmatic and generic. The programmatic procedures specify the inspection requirements for operational and radiological safety aspects of licensee activities; the generic procedures cover instructions and requirements applicable to all licensees.

Procedure Number	Title	Inspection Frequency *	
PROGRAMMATIC PROCEDURES			
83822	Radiation Protection	I, P	
87100	Manufacturing and Distribution Prelicensing	W	R
87100	Manufacturing and Distribution Postlicensing	I, P	R
87100	Multisite Broad License	I, P	
87100	Radiography	I, P	R
87100	Radiography - Field Sites	I, P	R
87100	Waste Disposal	I, P	R
87100	All other Special Nuclear Material, Industrial, Academic, Environmental, and Other Specific Licenses	I, P	R
MC 2810	Multisite/Multiregional Broad Licensees	I, W	
MC 2815	Construction and Preoperational Inspection of Panaramic Wet Source Storage Gamma Irradiators	W	R
87100	Medical	I, P	R
87100	Medical Teletherapy	I, P	R
84050	Inspections of Waste Generator Requirements	I, P **	
89100	Performance Indicators	I, ***	R
GENERIC PROCEDURES			
0517	Management of Allegations (proposed MC)	W	R
30703	Management Meeting--Entrance and Exit Interviews	X	

* See footnotes at end of table.

Telephone Contact Procedures for Priority 5, 6, and 7 Licenses

Program Objectives: In the past there have been times when manpower limitations have required exempting lower priority licensees from routine inspection by the NRC. As a result of this practice, the regions were left with a large number of licensees many of which had never been inspected. To improve general performance of these low priority licenses, this telephone contact procedure was developed so each licensee would be interviewed at least once during the duration of the license and at some periodic frequency thereafter to be determined by the regional staff.

1. Select license to interview at random (see 2800-05) from the computer listing of licenses never inspected. After this is done, select licensees that have had initial inspections (Priorities 6 and 7) and those inspected infrequently (Priority 5).
2. Pull the license file and review the file to determine the person to contact for information needed to complete interview questionnaire (Enclosure 2).
3. Telephone licensee and complete questionnaire. Note that not all licenses require each procedure mentioned in the questionnaire.
4. If the licensee reports any problems, namely:
 - a. personnel exposures in excess of 1.25 rems for a calendar quarter
 - b. lost licensed material
 - c. leak tests indicating source leakage or
 - d. any event the licensee considered unusual

The person filling in the questionnaire should promptly notify the Materials Section Chief. Provide the Section Chief with the appropriate draft letter (Enclosure 3).

5. If the licensee responses confirm no problems are present, prepare the appropriate draft transmittal letter (Attachment 4) for signature by the Section Chief.
6. Send package to Section Chief for review.

NOTE: The first priority on use of an inspector's time should be reduction of the backlog of overdue materials inspections in the higher priorities (1, 2, 3, 4).

EVALUATION OF POSSESSIONS AND USE OF BYPRODUCT MATERIAL

Name: _____ License Number: _____

Address: _____ Phone Number: _____

Name and Title of person responsible for radiation safety program: _____

Describe how this material is used: _____

Describe how you safeguard the byproduct material from use by unauthorized personnel: _____

Describe how you safeguard the material from loss or theft: _____

Describe controls which prevent individuals who work in the area around the material from becoming exposed to radiation: _____

Do you have a personal monitoring program for your employees such as film badges, dosimeters, : Yes _____ No _____

If yes, were there any exposures to individuals in excess of 1.25 rems for any calendar quarter for the year(s) _____ ?

Yes _____ No _____

License No. _____

Gentlemen:

This refers to a telephone contact conducted on _____, 19 ____.

The contact was an examination of activities conducted under your license as they relate to radiation safety and to compliance of the Commission's rules and regulations and with the conditions of your license. The contact consisted of discussions with _____.

As a result of this examination of activities, regulatory concerns were noted and are specified below. These may be evaluated at an onsite inspection at your facility in the near future.

As you described on the telephone, the following apparent regulatory concerns were identified.

(examples)

1. failure to leak test sealed sources at the required intervals
2. an exposure of _____ rems to an individual during the third quarter of 1986*
3. an apparently lost gauge containing _____ curies of _____*

*(If apparently serious enough (such as overexposure), add the following)

You should examine your license and NRC regulations to determine how you can correct the apparent regulatory concerns that you discussed on the telephone. In addition, we would like to highlight the following items that licensees should pay particular attention to as follows:

- a. maintaining awareness and control of licensed material
- b. proper transfers and disposal of radioactive sources
- c. promptly reporting losses or thefts of licensed materials

If you have any questions regarding this contact, you may contact us at _____.

Sincerely,

_____, Chief
Nuclear Materials Safety and
Safeguards (Branch or Section)

bcc
DCS/RSB (RIDS)

License No. _____

Gentlemen:

This refers to a telephone contact conducted on _____, 19 __.

The contact was an examination of activities conducted under your license as they relate to radiation safety and to compliance of the Commission's rules and regulations and with the conditions of your license. The contact consisted of discussions with _____.

No regulatory concerns were identified.

If you have any questions regarding this contact, you may contact us at _____.

Sincerely,

_____, Chief
Nuclear Materials Safety and
Safeguards (Branch or Section)

bcc
DCS/RSB (RIDS)

Case No	Licenses Name	Lic. No.	Type Matl.	Activity	Date Received	Date Completed	Status	Action
39	Environmental Int., Inc	24-20240-01	Ni-63 Foil Source	mCi	4/22/86	4/25/86	Open	Need amend/nov sent 10/8/86
40	SIS Engineers	24-20311-01	Cs137, Am241, gauges	mCi	4/22/86		Closed	Amend in house
41	Modern Medical Imag. Inc.	24-20387-01	Grps I, II, III	Ci	4/22/86	6/20/86	Closed	Amendment in house
42	Industrial Gamma Inspec.	24-19850-01	Ir192	Ci	4/22/86	5/19/86	Closed	Computer Update
43	Endore Medical Sys., Ltd.	24-20479-01	Pu-238, Sealed source	Gr	4/30/86	5/02/86	Closed	Amendment in house
44	Medtronic, Inc.	SNH-1156	H3, C14, S25, P32	mCi	4/30/86	5/22/86	Closed	Amend in house
45	Xytomyx, Inc	12-24396-01	1125, 1131, ChS1			5/02/86		
46	Minn. State of	22-06714-02	C-137, Co-60	C, mCi	4/30/86	5/02/86	Closed	Computer Update
47	Trent C. Orfanos, M.D.	13-21223-01	Tc-99m, Grp III	Ci, mCi	4/30/86	5/21/86	Closed	Amendment in house
48	Army, Dept. of the	24-15095-01	Grps I-V, In vitro	Ci, mCi	5/5/86	7/17/86	Closed	Amendment in house
49	Rad. Protect. Service	24-20791-01	Leak Test Service		5/5/86	9/15/86	Closed	Amend in house
50	Daburg Corp.	12-18774-01	Cs-137, Am-241	mCi	5/19/86	5/30/86	Closed	Computer Update
51	Greenberg, M.D. Irv. M.	12-01211-07	Grp I, II, III, Xe-133	mCi	5/19/86	5/30/86	Closed	Computer Update
52	Rad. Therapy Assoc. F.C.	SUC-1342	Dep uranium	kg	5/19/86	10/7/86	Closed	Amend in house/nov sent 10/8/86
53	Mirtone Ind. Ltd.	12-21478-01	Am241 Smoke Det Manu	mCi	5/19/86	10/7/86	Closed	Amend in house
54	Garfield Med Assoc.	21-20104-01			5/30/86	5/30/86	Closed	Renewal in house
55	ATT Technologies Inc.	12-00626-02	C14, Pr147, Cs137-gauges	mCi, Ci	5/30/86	6/16/86	Closed	
			Th204, St90, Co60, Po210					
			Ni63, Am241					
56	Sincor Corp.	24-16405-01MD	Xe135, 1131, Mo99, Tc99m	Ci, mCi	6/6/86	6/16/86	Closed	Computer update
57	General Inst. Corp	12-19460-01	25-14, 31-11	mCi	6/6/86	8/20/86	Closed	Computer update
58	Barnebey-Cheney Co.	24-12198-02	H3, Ir85, Manuf.	mCi	6/6/86	7/13/86	Closed	Corr. Copy issued
59	Leon Industries	24-21204-01	Xe135	mCi	6/6/86	9/9/86	Closed	Amend to term
60	Dielman Consult., Inc.	12-17162-02	C137, Inst. Calibra.	mCi	6/16/86	11/21/86	Closed	Amend in house
61	Ball Packaging Prod.	13-02557-02	Ir192, Ind. Radiog.	Ci	6/16/86	6/20/86	Closed	Computer update
62	SSW Inspection Serv.	14-19899-02	Cs137, Am241	mCi	6/23/86	7/24/86	Closed	Address correct
63	Cole Assoc., Inc.	13-20218-01	Ni63, Cs137, Am241	mCi	6/23/86	6/27/86	Closed	Amendment in house
64	West Mich Environ Serv	21-17206-02	Cs137	mCi	6/23/86	7/1/86	Closed	Computer update
65	Vraff Inc.	12-10308-01	Ni63	mCi	6/23/86	8/11/86	Closed	Trans. to RI/not RIII lic.
66	Rosner/Runyon Labs	12-15212-03	Cs137, Pu238	mCi	6/23/86	7/2/86	Closed	Amend in house
67	M. A. Hanna Co.	22-05587-02	Cs137, Am241	C, mCi, gr	6/23/86	7/2/86	Closed	Corr. Copy sent
68	W.J. Reese & Assoc.	12-16797-01	Grps. I, II, III	mCi	6/27/86	7/8/86	Closed	Amend. in house
69	Fifth Ave Radiology	24-24594-01	Grps. I, II, III	mCi	6/27/86	7/2/86	Closed	No problem
70	Gratiot Medical Ctr.	21-24552-01	Am-241, Cs-137	mCi, Ci	7/3/86		Open	to I&E 8/25/86
71	Eastern Well Survey Inc	34-12927-01	Dep Uranium	Ci	7/11/86	7/18/86	Closed	Computer Update
72	Porter City Cancer Treat.	SUB-1418	Cs137, Gd152, #3-83	kg	7/11/86	8/27/86	Closed	Amend in house
73	Standard Nuclear Consult	12-20362-01	H-3 Exit signs	mCi, Ci	7/11/86	7/18/86	Closed	Amend. in house
74	Arjay	48-19440-01	Co-60 Teletherapy	Ci	7/15/86	8/25/86	Closed	Amend in house
75	Fayette City Hospital	12-01678-02	Grps I, II	Ci	7/25/86	7/29/86	Closed	Computer update
76	Mitros DO., Zacharis	21-13367-01	BNA-Medical	mCi	7/25/86	7/29/86	Closed	Computer update
77	Noninvasive Diag. Inc.	12-23628-01	Redist/in-vitro	mCi	9/26/86	10/6/86	Closed	Need termination
78	Promedical Supply, Inc.	21-21008-01	I-192	Ci	9/26/86	10/8/86	Open	Amend in house
79	SSW Inspection Services	14-19899-02	Grps. I, II, III, I-131, In-vitro	Ci, mCi	10/6/86	10/24/86	Closed	No problem
80	Henry Shevitz, M.D.	21-18758-02	Dep Uranium	kg	10/6/86	10/10/86	Closed	Computer update
81	Precise Tool & Die Co	SUC-1383			10/6/86	10/10/86	Closed	Computer Update
82	Joel I Hamburger, M.D.	21-07437-01	I-83, H-3	Ci, mCi	10/6/86	10/10/86	Closed	Computer Update
83	Mallinckrodt, Inc.	24-05804-02			10/6/86	10/10/86	Closed	Computer Update

EFFECT ON NUMBER OF INSPECTIONS DUE TO PROPOSED CHANGES
IN PRIORITIES OF CERTAIN PROGRAM CODES

Proposed Priority	Current Priority	Program Code	Type of Licensee	R I	R II	R III	R IV	R V	Effect on Inspec- tions Performed
3	1	02511	MPD -32.72	-1.33	0	-2.0	0	0	-3.33
3	1	02512	MPD -32.73 Mo/Tc-99m Generators	-1.67	0	-1.0	0	0	-2.67
5	1		MPD -32.73 Reagent Kits	-2.0	0	-1.20	0	0	-3.20
3	1	02513	MPD -32.75 Materials	-2.0	-.67	-2.67	0	0	-5.34
4	5	03121	Measuring systems Portable Gauges (MSPG) Moisture Density Gauges	+15.45	+11.03	+22	+9.7	+5.6	+60
5	5		MSPG/Industrial Lixiscopes	0	0	0	0	0	0

APPENDIX I

Proposed Priority	Current Priority	Program Code	Type of Licensee	R I	R II	R III	R IV	R V	Effect on Inspec- tions Performed
5	3	03254	Exempt Distribution -32.22	- .80	- .13	- .40	- .13	- 1.30	- 1.59
5	3	03255	Exempt Distribution -32.26	- 1.20	- .40	- 1.2	- .26	- .50	- 3.56
5	3	03620	Research and Develop- ment Other	- 32.9	- 7.2	- 28.5	- 2.8	- 3.1	- 74.5
7	3	11210	Source Material Shielding	- 5.0	- 3.3	- 7.0	- 1.3	- .33	- 13.96
3	7	11220	Source Material Military Munition Testing (SHEAT)/ Outdoors	+ 1.33	+ .67	+ 1.0	+ .67	+ 1.0	+ 4.67
7	7		SHEAT/Indoors	0	0	0	0	0	0
TOTAL				- 67.96	+ 2.63	- 35.64	+ 6.78	+ .78	- 93.4