

Consolidated Guidance About Materials Licenses: Guidance About Administrative Licensing Procedures

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Abstract

As part of its redesign of the materials licensing process, The United States Nuclear Regulatory Commission (NRC) is consolidating and updating numerous guidance documents into a single comprehensive repository as described in NUREG-1539, "Methodology and Findings of the NRC's Materials Licensing Process Redesign," dated April 1996, and NUREG-1541, "Process and Design for Consolidating and Updating Materials Licensing Guidance," dated April 1996. NUREG-1556, Vol. 20, "Consolidated Guidance about Materials Licenses: Guidance About Administrative Licensing Procedures," dated December 2000, is the twentieth guidance volume developed for the new process and is intended for use by NRC staff. It will also be available to Agreement States, applicants, and licensees. This document combines and updates the guidance for NRC license reviewers and licensing assistants previously found in the documents listed in Appendix A.

Figures

Figure 2.1 U.S. Map

Foreword

The United States Nuclear Regulatory Commission (NRC) is using Business Process Redesign

(BPR) techniques to redesign its materials licensing process. This effort is described in NUREG-1539, "Methodology and Findings of the NRC's Materials Licensing Process Redesign," dated April 1996. A critical element of the new process is consolidating and updating numerous guidance documents into a series of NUREG reports. Below is a list of volumes currently included in the NUREG-1556 series:

Vol. No.	Volume Title	Status
1	Program-Specific Guidance About Portable Gauge Licenses	Final Report
2	Program-Specific Guidance About Radiography Licenses	Final Report
3	Applications for Sealed Source and Device Evaluation and Registration	Final Report
4	Program-Specific Guidance About Fixed Gauge Licenses	Final Report
5	Program-Specific Guidance about Self-Shielded Irradiators	Final Report
6	Program-Specific Guidance about 10 CFR Part 36 Irradiators	Final Report
7	Program-Specific Guidance about Academic, Research and Development, and Other Licenses of Limited Scope	Final Report
8	Program-Specific Guidance about Exempt Distribution Licenses	Final Report
9	Program-Specific Guidance about Medical Use Licenses	Draft
10	Program-Specific Guidance about Master Material Licenses	Final Report
11	Program-Specific Guidance about Licenses of Broad Scope	Final Report
12	Program-Specific Guidance about Possession Licenses for Manufacturing and Distribution	Final Report
13	Program-Specific Guidance about Commercial Radiopharmacy Licenses	Final Report

14	Program-Specific Guidance about Well Logging, Tracer, and Field Flood Study Licenses	Final Report
15	Guidance About Changes of Control and About Bankruptcy Involving Byproduct, Source, or Special Nuclear Materials Licenses	Final Report
16	Program-Specific Guidance About Licenses Authorizing Distribution To General Licensees	Final Report
17	Program-Specific Guidance About Licenses for Special Nuclear Material of Less Than Critical Mass	Final Report
18	Program-Specific Guidance About Service Provider Licenses	Final Report
19	Guidance For Agreement State Licensees Proposing to Work in NRC Jurisdiction (Non-Agreement States, Areas of Exclusive Federal Jurisdiction, or Offshore Waters) and Guidance For NRC Licensees Proposing to Work in Agreement State Jurisdiction (Reciprocity)	Final Report
20	Guidance About Administrative Licensing Procedures	Final Report

The current document, NUREG-1556, Vol. 20, "Consolidated Guidance about Materials Licenses: Guidance About Administrative Licensing Procedures," dated December 2000, is the twentieth guidance developed for the new process. It is intended for use by NRC license reviewers and licensing assistants. It combines and updates the guidance for NRC licensing staff previously found in the documents listed in Appendix A.

A team composed of NRC staff from Headquarters and Regional Offices developed this document, drawing on their collective experience in radiation safety in general and as specifically applied to materials licensing. Representatives of NRC's Office of the General Counsel provided legal perspectives.

This guidance represents a step in the transition from the current paper-based process to the new electronic process. This document is available on the Internet at the following address:
<<http://www.nrc.gov/NRC/NUREGS/SR1556/V20/index.html>>.

NUREG-1556, Vol. 20, "Consolidated Guidance about Materials Licenses: Guidance About Administrative Licensing Procedures," dated December 2000, is not a substitute for NRC regulations, and compliance is not required. The approaches and methods described in this report are provided for information only.

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Abbreviations

ACMUI	NRC Advisory Committee on the Medical Uses of Isotopes
ADAMS	Agency-wide Document Access and Management System
AEA	Atomic Energy Act
ALARA	As Low as Reasonably Achievable
BPR	Business Process Redesign
BRS	Bibliographic Retrieval System
CFR	Code of Federal Regulations
DOE	U.S. Department of Energy
DOJ	U.S. Department of Justice
DRAT	IMNS Division Response Action Tracking System (ticket tracking system)
DWM	NRC Division of Waste Management
EA	Environmental Assessment
EPA	U.S. Environmental Protection Agency
FCSS	NRC Division of Fuel Cycle Safety and Safeguards
FONSI	Finding of No Significant Impact
GAP	Generic Assessment Panel
GLTS	General License Tracking System
GPO	U.S. Government Printing Office
HQ	Headquarters
IMNS	NRC Division of Industrial and Medical Nuclear Safety
IN	Information Notice
LA	Licensing Assistant
LER	Licensee Event Report
LTS	Licensing Tracking System
NARA	U.S. National Archives and Records Administration
NEPA	National Environmental Policy Act of 1969
NIST	U.S. National Institute of Standards and Technology
NMED	Nuclear Materials Events Database
NMSS	NRC Office of Nuclear Materials Safety and Safeguards

NRC	U.S. Nuclear Regulatory Commission
NUDOC S	NRC Nuclear Documents System
OAR	Official Agency Record
OC	NRC Office of the Controller
OCFO	NRC Office of the Chief Financial Officer
OCR	Optical Character Recognition
OE	NRC Office of Enforcement
OGC	NRC Office of the General Counsel
OI	NRC Office of Investigations
OIG	NRC Office of the Inspector General
OMB	U.S. Office of Management and Budget
QA	Quality Assurance
P&GD	Policy and Guidance Directive (guidance for NRC licensing staff)
RA	Regional Administrator
RG	Regulatory Guide
RI	NRC Region I
RII	NRC Region II
RIII	NRC Region III
RIV	NRC Region IV
RIDS	NRC Regulatory Information Distribution System
RPDC	Regulatory Product Development Center
RSC	Radiation Safety Committee
RSO	Radiation Safety Officer
RTS	Reciprocity Tracking System
SI	International System of Units (abbreviated SI from the French Le Système Internationale d'Unites)
SFPO	NRC Spent Fuel Project Office
SSSS	Sealed Source Safety Staff
std	Standard
STP	NRC Office of State and Tribal Programs
TAR	Technical Assistance Request
TTC	NRC Technical Training Center
U.S.C.	United States Code

1 Purpose of Report

This report provides guidance to both NRC license reviewers and licensing assistants on administrative licensing procedures. This guide includes procedures for acknowledging requests for specific or general licensing actions, tracking the progress of actions, maintaining files electronically in ADAMS, preparing licenses or registration certificates, distributing documents, and other miscellaneous administrative matters. It is specifically intended for NRC staff; however, applicants may find this information useful when preparing license applications or requesting the status of licensing actions. This document contains information on inspection frequencies, license fees, and other matters that are subject to change and beyond the control of NRC licensing staff. This information is provided for convenience only. Any questions or issues concerning these matters will be referred to the responsible NRC program office.

The applicability of this report is limited to the materials program area currently overseen by the Division of Industrial and Medical Nuclear Safety (IMNS) in the Office of Nuclear Materials Safety and Safeguards (NMSS). Note that many of the guidance documents used to prepare this report are more than 10 years old and required extensive changes to meet NRC's way of doing business in the 21st century. Reorganizations within NRC over the years have resulted in the transfer of oversight responsibilities for some program areas originally under IMNS (i.e., fuel cycle, transportation) to other technical divisions in NMSS. This report is intended for use by the materials program area only. Although some information in this report is applicable to other program areas within NMSS, it is not intended to supersede administrative licensing procedures established by other technical divisions.

Volume 20 is provided in loose-leaf form to allow individual sections and/or appendices to be updated as administrative procedures change. Much of the information needed by NRC licensing staff is provided in the appendices. Readers should note the following information:

- Appendix B contains standard forms used to complete licensing actions.
- Appendix C contains checklists that are helpful for documenting the acceptance review of certain categories of licensing actions.
- Appendix D contains standard letters that may be edited to meet case-by-case requirements.
- Appendix E contains the list of standard license conditions.
- Appendix G defines the program codes in the Licensing Tracking System.

- Appendix J contains sample denial letters.
- Appendix K contains generic exemptions that the Regions may authorize without approval from Headquarters.

2 Agreement States

Certain states, called Agreement States (see Figure 2.1), have entered into agreements with NRC that give them the authority to license and inspect byproduct, source, or special nuclear materials used or possessed within their borders. Any applicant other than a Federal agency who wishes to possess or use licensed material in one of these Agreement States needs to contact the responsible officials in that State for guidance on preparing an application. These applications should be filed with State officials, not with NRC.

In the special situation of work at Federally-controlled sites in Agreement States, it is necessary to know the jurisdictional status of the land in order to determine whether NRC or the Agreement State has regulatory authority. NRC has regulatory authority over land determined to be "exclusive Federal jurisdiction," while the Agreement State has jurisdiction over non-exclusive Federal jurisdiction land. Licensees are responsible for finding out, in advance, the jurisdictional status of the specific areas where they plan to conduct licensed operations. NRC recommends that licensees ask their local contact for the Federal Agency controlling the site (e.g., Contract Officer, Base Environmental Health Officer, District Office staff) to help determine the jurisdictional status of the land and to provide the information in writing, so that licensees can comply with NRC or Agreement State regulatory requirements, as appropriate. Additional guidance on determining jurisdictional status is found in All Agreement States Letter, SP-96-022, dated February 16, 1996. This letter is available on STP's Home Page, <<http://www.hsr.d.ornl.gov/nrc/home.htm>>. Choose "NRC-State Communications," then choose "All of the Above," and follow the directions for submitting a query for "SP96022." As an alternative, interested parties can request the letter from STP by calling NRC toll-free at (800) 368-5642, extension 415-3340.

Table 2.1 provides a quick way to check on which Agency has regulatory authority.

Table 2.1 Who Regulates the Activity?

Applicant and Proposed Location of Work	Regulatory Agency
Federal Agency regardless of location (except that Department of Energy [DOE] and, under most circumstances, its prime contractors are exempt from licensing [10 CFR 30.12])	NRC
Non-Federal entity in non-Agreement State, US territory, or possession	NRC
Non-Federal entity in Agreement State at non-Federally controlled site	Agreement State
Non-Federal entity in Agreement State at Federally-controlled site not subject to exclusive Federal jurisdiction	Agreement State

Non-Federal entity in Agreement State at Federally-controlled site subject to exclusive Federal jurisdiction	NRC
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Figure 2.1 U.S. Map. Location of NRC Offices and Agreement States.

References: A current list of Agreement States (including names, addresses, and telephone numbers of responsible officials) is available by choosing "Directories" on the NRC Office of State and Tribal Programs' (STP's) Home Page, <<http://www.hsrdo.org/nrc/home.htm>>. As an alternative, interested parties can request the list from NRC's Regional or Field Offices.

3 Licensing Assistant Guidance

The purpose of this chapter is to provide Licensing Assistants (LA) and other appropriate staff members with basic administrative procedures for processing, managing, and tracking licensing actions from the time each action is received by the Agency until the action is issued. The information provided in this chapter is not comprehensive, and it does not fully describe the duties of the LA.

NOTE: For convenience, the term LA is used in this NUREG to refer to both the LA and other staff members designated to perform LA duties and responsibilities.

3.1 Licensing Tracking System

The Licensing Tracking System (LTS) is the computer system for tracking each license issued by NRC for non-reactor activities, except transportation licensing actions under 10 CFR Part 71 (tracked in another database). In addition to maintaining an electronic record of each license, the LTS is used to individually track each license application from its receipt to completion. The LTS system supports a standardized review process and provides licensing and inspection management reports. The LTS allows NRC to provide timely responses to inquiries and specialized, *ad hoc* queries. Each license application is tracked using a variety of methods to support different reports and queries.

3.1.1 LTS Guidance

NRC users should follow the guidance in the current LTS User's Guide. This User's Guide was revised during the Year 2000 renovation of NRC-maintained systems. If you have questions about the LTS User's Guide or other LTS issues, contact your licensing assistant, or the LTS System Administrator at Headquarters (in the Materials Safety and Inspection Branch, Division of Industrial and Medical Nuclear Safety).

When a request for a licensing action is received, the LA will create a unique LTS record to track it through the licensing process and will print for each licensing action request an LTS data entry form for use by the LA or license reviewer. The LTS System Administrator enters data and prints forms for some LAs at Headquarters that do not have access to the LTS. It is the responsibility of each license reviewer to review and complete the data entry form using the procedures and

formats in the LTS User's Guide and the additional guidance provided in Appendix F. The LTS identifies and tracks the various operations authorized under a license by assigning primary and secondary program codes. Program code descriptions and definitions are provided in Appendix G.

3.1.2 Notice of License Expiration

A Notice of License Expiration letter is sent to each licensee 120 days before its license expires. Each month, the LTS System Administrator generates a standard form letter using the LTS. A sample letter is provided in Appendix D. The form letters are addressed to the attention of the Radiation Safety Officer listed in the LTS. The letters vary, depending on the LTS primary program code for the licensee. Applicable forms, regulations, and guidance for preparing applications for license renewal are attached to the letters. Dozens of these letters are issued directly to licensees by the LTS System Administrator each month.

3.2 Administrative Procedures

3.2.1 Initial Processing of Incoming Licensing Actions

All incoming licensing documents shall be entered into the NRC Agency-wide Document Access and Management System (ADAMS). Documents are made available to the public in accordance with current procedures (typically after the review is complete). Documents shall be processed using ADAMS Document Processing Template No. NMSS/RGN Materials-002, "Incoming Licensing-Related Correspondence (Including Incoming Licensing Actions)." This template is subject to change as NRC gains more experience with the ADAMS computer system. The LA should watch for change notices issued in ADAMS and periodically review and confirm that the licensing staff is using the latest version of templates issued by the OCIO.

Documents containing information restricted under the provision of 10 CFR 2.790 should be entered into ADAMS in their entirety, but the file should be profiled in ADAMS as non-publicly available (see Section 4.13 of this NUREG).

The LA is responsible for the receipt processing of all materials license applications. All materials licenses are assigned unique license and docket numbers that are tracked in the LTS database for the life of the license. Each licensing action is assigned a unique mail control number that is tracked in the LTS database from receipt of a request for licensing action to completion.

For new licensing actions from existing licensees, the LA will assign and enter a mail control number into the LTS. For new applicants who do not have a license, the LA will assign a mail control number and a unique institution code. The institution code, with the exception of source and special nuclear material licenses, will later be used to assign a license number. The LA will then enter the new licensing action into the LTS, and the LTS will automatically assign a docket number. After completing entries into the LTS, the LA will print the LTS worksheets, create an

action folder, and attach the LTS worksheet to the folder.

To process the large number of requests for licensing actions effectively and efficiently, each licensing action should receive an acceptance review at the time of its receipt, but not later than 30 days after receipt. This acceptance review can be routinely performed by the LA. For complex licensing actions, the LA may wish to confer with a member of the technical staff. This initial administrative processing does not in any way replace the required technical review specified in the NUREG-1556 series. After the LA conducts an administrative completeness review, the action is ready for the license reviewer to conduct the technical review.

Acceptance Review Procedure

1. Within 30 days of the receipt of a request for any licensing action, the NRC Regional Offices should perform an acceptance review of the licensing request and take the following actions:
 - Issue a "deemed timely" letter (for renewals only) within 5 working days of the LTS entry. This "deemed timely" letter serves to notify the licensee that their license will not expire until final licensing action has been taken.
 - Confirm that all necessary sections of the application form (normally NRC Form 313) are completed and the form has been signed by the applicant's certifying official.
 - Confirm that attachments identified by the applicant are, in fact, included in the submittal.
 - Identify any requests for expedited review for safety-significant concerns (e.g., change in the Radiation Safety Officer (RSO) or amendment requests resulting from identification of safety-significant violations) or business reasons (e.g., change in ownership, bankruptcy).
2. After the acceptance review, send the applicant an acknowledgment letter or card (see samples in Appendix D) to:

- Acknowledge that the request for a licensing action has been received. For renewals, insert the "deemed timely" statement that is specified in Appendix D.
- Inform the licensee that the submittal has undergone an initial processing that is considered only an acceptance review.
- Note any administrative deficiencies/omissions that were identified during the initial review that could delay the technical reviewer's complete review of the licensee's action.
- Inform the licensee that the technical review may identify additional omissions in the submitted information, technical issues that require additional information, or policy/technical issues that require coordination with Headquarters or other Regional Offices.
- Provide the licensee with an estimated time for completion of the licensing action. These are only estimates based on the specific types of licensing actions (i.e., a specific date does not have to be estimated for each licensing action). The estimated time for completion should account for any request for an expedited review.
- Inform applicants that are subject to a fee (i.e., new applicants, or applicants whose request will require full-fee recovery as outlined in 10 CFR Part 170), that a copy of their correspondence has been forwarded to the Office of the Chief Financial Officer (OCFO) for fee processing.

The acknowledgment is adequate documentation of the acceptance review. Each acknowledgment should be entered into ADAMS using Document Processing Template No. NMSS/RGN Materials-001, "Outgoing Licensing Correspondence (Including Outgoing Licensing Actions)."

3.2.2 Responsibility for Review of License Applications

To insure uniform handling of license applications between licensees and Regions, and to minimize licensing and inspection conflicts, the responsibility for reviewing a license application should be assigned to the Region where the licensed activities are inspected.

In most cases where an application or license authorizes the use of material in more than one Region, the mailing address of the parent company should be used to determine the Region that will conduct the review and issue the license.

Certain types of licenses and certificates are reviewed and issued by NMSS staff at Headquarters (e.g., exempt distribution licenses, sealed source and device registration certificates, certain source and special nuclear materials licenses, registration certificates for *in vitro* testing with byproduct material under general license, etc.). Contact the Division of Industrial and Medical Nuclear Safety in NMSS if it is unclear who has responsibility for the review.

3.2.3 Processing Misdirected Materials Licensing Applications

Applications that licensees mistakenly send to Headquarters, either to the Office of Nuclear Material Safety and Safeguards (NMSS) or to the Office of the Chief Financial Officer (OCFO), will be handled in the following manner:

- 1: The original application will be entered into ADAMS with a preliminary profile in the Headquarters Central Mail Room.
- 2: The applications received by NMSS will be entered into the LTS and processed through milestone 02, and the original application and duplicate will be forwarded to OCFO. NMSS will designate the proper licensing Region that should receive the application after the fee review is complete. It will be the receiving Region's responsibility to enter milestone 10 into the LTS, along with subsequent milestones.
- 3: The applications received by OCFO will be processed for fee purposes. If the proper fee has been submitted by the applicant, or if the licensee is fee exempt, the OCFO will then forward the application to the appropriate Region for entry into the LTS. The Region, normally the LA, must call OCFO to let them know when milestones 01 and 02 have been entered into the LTS, so that OCFO can enter the fee milestones.
- 4: An application received by OCFO without the proper fee, or with no fee, will be sent to NMSS for entry into the LTS and then will be processed as in step 2, above.
- 5: If the misdirected application is for a Federal licensee (always fee exempt) or an action that does not require a fee (amendments and renewals, except applications that increase the scope of the existing license to a higher fee category or add a new fee category), NMSS will forward the application directly to the licensing Region.

Applications that are mistakenly directed to the Regions should be handled in a similar manner, whether they are Headquarters' or another Region's responsibility, including general license registration forms (see Section 3.2.9) and any other submittal that should go to another office. The appropriate licensing office should write or telephone the licensee to remind them to send future correspondence to the proper address.

The above procedures should ensure that the original misdirected application is forwarded to the appropriate office within 5-7 days.

3.2.4 Follow-up on Mail Returned from Licensees

A small fraction of mail sent to licensees is returned to NRC marked "undeliverable." It is extremely important that the LA follow up on these cases. Mail returned to NRC may indicate a

number of problems, ranging from a clerical error to loss of control of a licensed program. The procedure listed below should be followed with regard to returned mail:

- 1: Mail returned to NRC as undeliverable should be checked by the LA against the license file to assure that the address on the envelope corresponds with the address provided by the licensee on the last licensing action completed. If the mailing address differs, the LTS and the license template file should be corrected. Also, an administrative "corrected copy" of the license should be sent to the licensee.
- 2: Any pending application related to the license should be checked for the correct mailing address.
- 3: For mail returned to NRC for any reason other than an NRC clerical error, the procedure to be followed is similar to the procedure followed when a license is expired (see Section 3.2.5). The Regional licensing staff should coordinate with the inspection staff to ensure that the matter is investigated, and (if possible) a site visit is conducted by the inspection staff. The licensee should be informed by the Regional licensing staff that he must submit a change of address request, along with any amendment requests associated with the change of address.
- 4: When the licensee can be located through telephone contact or other sources, the Returned Mail Follow-up Letter in Appendix D has been found to be useful in following up on the returned mail; however, a documented telephone conversation record will also serve as record of notification.
- 5: A tracking system should be maintained and periodically checked by the LA to assure that adequate follow-up by the licensing and/or inspection staff is completed and that the correct licensee address is in the LTS.

3.2.5 Follow-up on Expired Material Licenses

The identification and investigation of expired licenses is an important part of the material licensing and inspection program. The following procedure for expired licenses should be followed:

- 1: On or about the fifth of each month, each Region should identify from LTS Management Report No. 15 all material licenses issued by the Region that expired the previous month.
- 2: A license is considered expired if a renewal application has not been received or postmarked on or before the expiration date. The LTS computer automatically distinguishes between licenses that are considered under timely renewal and licenses that are expired, provided the Regional Offices and Headquarters have correctly classified the renewal as an Action Type 3. Licensing staff should note that an expired license cannot be renewed; however, it can be superseded by a new license.
- 3: If a termination request is pending for a license, the LTS will mark it as expired after the expiration date if final action has not been taken on the termination request. The LA should check the list of expired licenses against the computer printout of pending actions.

4. The Regional licensing staff should coordinate with the inspection staff and take appropriate follow-up action on expired licenses. This follow-up action may include a visit to the facility to ensure that radioactive materials are not possessed by the licensee, or that significant contamination does not exist in the facilities where radioactive materials were used or stored. The results of the inspection should be forwarded to the Regional licensing staff.
5. The Regional licensing staff, under most circumstances, should make the final decision on license retirement. Before the license is retired, there must be sufficient documentation in the file to demonstrate: (1) that a new license has been issued superseding the expired license; or (2) that the licensee has ceased operations, properly transferred or disposed of all radioactive material, and provided documents demonstrating that the facility is suitable for release for unrestricted use.
6. For expired licenses in categories where the Region has licensing responsibility, the Regional licensing staff should retire the licenses, as appropriate, in accordance with current retirement procedures outlined in NUREG-0910, NRC Comprehensive Records Disposition Schedule, and change the license in the LTS to retired status. For all licenses that are retired, and where the licensing staff has issued a new license, there should be a statement in the retired docket file indicating that a new license has been issued. Where a license is terminated, a Form 314 or equivalent is filed in the official docket file, along with supporting documentation verifying the disposition of the material and that the facility is free of contamination in excess of regulatory requirements.
7. Questions concerning proper document retirement procedures and disposition of retired docket files may be directed to the Records Management Branch, Office of the Chief Information Officer.

3.2.6 Preparation and Distribution of Completed Licensing Documents

Completed licensing documents shall be prepared and distributed per ADAMS Document Processing Template No. NMSS/RGN Materials-001, "Outgoing Licensing Correspondence." These templates and corresponding instructions are subject to change as NRC gains more experience with ADAMS. The LA should watch for template change notices and periodically confirm that the licensing staff is using the latest version of the template.

1. It is recommended, and strongly encouraged by NMSS, that all licenses be amended in their entirety. This process will assist inspectors and provide a complete, up-to-date license in ADAMS. (If the license under review is not being renewed, be careful that the expiration date is not changed.) After the license is mailed to the licensee, the licensing staff must ensure that the license and all supporting documents for the current action are placed into ADAMS, unless they are already in the system.
2. The license reviewer should ensure that the correct program code is assigned to the license in the LTS. When it becomes necessary to assign more than one program code to a license, the code with the highest inspection priority (shortest inspection cycle) should be designated the primary code.
3. The docket number, license number, and mail control number must be included on all outgoing correspondence in order to assist in the identification of documents being processed.

- 4 Historically, after issuing the final licensing action to the applicant, distribution was limited to the docket file and the Public Document Room for most materials licenses. For distribution using ADAMS, consult the ADAMS template for the distribution instructions.
- 5 Completed material licensing documents should be saved in ADAMS folders as specified in the ADAMS template and local file management procedures. For licensing staff convenience, ADAMS packages may be created and used to associate documents that are dispatched or linked together as part of a physical package. For ADAMS performance reasons, it is best to use ADAMS searches whenever practical and to minimize the use of folders and packages; however, it is acceptable to create ADAMS folders and packages in accordance with approved procedures.
- 6 OCFO should be notified of specific licensing actions that are completed and contained in packages. The LA should forward these completed packages using the ADAMS-Send function. The OCFO's staff will conduct a final fee review on completed licensing actions.
- 7 Classified information or safeguards information must not be scanned into ADAMS. If classified or safeguards information is received, it should be handled in accordance with MD 12.2, "NRC Classified Information Security Program," and MD 12.6, "NRC Sensitive Unclassified Information Security Program."
- 8 All correspondence addressed to, or that involves activities of, the Advisory Committee on the Medical Uses of Isotopes (ACMUI) must be marked "Official Use Only." These documents will be profiled in ADAMS as non-publicly available.
- 9 Regional Offices should coordinate with the States in their Regions and determine what licensing documents they wish to receive. If a State requests to receive licensing documents issued by NMSS (i.e., distribution licenses), the Region should inform NMSS of the request.

3.2.7 Availability, Security, and Integrity of Material License Files

The Agency's hard copy docket files are maintained in the Headquarters File Center for licenses issued by NMSS and the Regional docket file rooms for licenses issued by the Regions. Starting in April 2000, NRC began managing all official docket files in the ADAMS computer system. ADAMS is NRC's new electronic records storage and retrieval system. It is anticipated that ADAMS will reduce the need to maintain paper-based record collections. Additionally, ADAMS replaces the Nuclear Documents System (NUDOCS), the Public Document Room's Bibliographic Retrieval System (BRS), and the Regulatory Information Distribution System (RIDS).

Most of NRC's Official Agency Records (OARs) and other non-record reference materials will be maintained in ADAMS. ADAMS will store OARs including programmatic and administrative records that were kept in paper recordkeeping systems, with the exception of unclassified safeguards information and other sensitive records determined to be inappropriate for electronic maintenance. The staff will add records to ADAMS using the guidance provided in the appropriate final ADAMS Document Templates located in the ADAMS Document Manager.

An OAR is statutorily defined in the Federal Records Act as a --

book, paper, map, photograph, machine readable material, or other documentary material, regardless of physical form or characteristics, made or received by an Agency of the United States Government under Federal law or in connection with the transaction of public business and preserved or appropriate for preservation by that Agency or its legitimate successor as evidence of the organization, functions, policies, decisions, procedures, operations, or other activities of the Government or because of the informational value of data contained in these materials. Library and museum material made or acquired and preserved solely for reference or exhibition purposes, extra copies of documents preserved only for convenience of reference, and stocks of publications and processed documents are not included in the definition of the term "Official Agency Record" (36 CFR Part 1220).

Some examples of documents that contain OARs requiring preservation under Federal regulations are as follows:

- Documents related to NRC programs, policies, organizations, decisions, decision making, minutes, or agendas;
- Documents containing unique information that explains why the Agency made a decision or took an action;
- Documents that direct one to take an action or that one uses to direct another to act;
- Information that NRC creates or acquires via e-mail, facsimile, telephone record, or meeting notes, about a licensing matter or an inspection of a licensee's facility that contains: (1) unique information; (2) the rationale for an NRC decision; or (3) guidance that is not documented in the OAR.

The partial listing of materials and publications below will provide further information on this subject:

- Management Directive 3.1, "Freedom of Information Act"
- Management Directive 3.4, "Release of Information Act"
- Management Directive 3.5, "Document Management"
- Management Directive 12.2, "NRC Classified Information Security Program"

- Management Directive 12.6, "NRC Sensitive Unclassified Information Security Program"
- 10 CFR 2.790, "Public Inspections, Exemptions, Requests for Withholding."

3.2.8 Coordinators for Certain Federal Organizations

Certain Federal organizations coordinate licensing actions through a central office. These coordinators may support a single, multi-site license, master material license, or a license that controls several, specific licenses issued to the same Federal organization. The coordinators for these Federal organizations are listed in Appendix H. Because these coordinators are subject to change, it is anticipated that NMSS will update and reissue Appendix H periodically to keep the list current.

3.2.9 Processing General License Registration Certificates

This section provides guidance to IMNS licensing staff for processing NRC Form 244, "Registration Certificate - Use of Depleted Uranium Under General License" and NRC Form 483, "Registration Certificate - *in vitro* Testing with Byproduct Material Under General License." Copies of the forms are provided in Appendix B.

NRC Form 244 - The regulations in 10 CFR 40.25 grant a general license to persons who receive, acquire, possess, use, or transfer depleted uranium contained in industrial products or devices for the purpose of providing a concentrated mass in a small volume of the product or device. Such use only applies to industrial products or devices that have been manufactured or initially transferred under a specific license issued pursuant to 10 CFR 40.34(a) or under an equivalent Agreement State license. Applicants for a general license under 10 CFR 40.25 must register with the Commission by filing NRC Form 244 and receive an acknowledgment of the registration before receiving byproduct material under the general license.

NRC Form 483 - The regulations in 10 CFR 31.11 grant a general license to any physician, veterinarian in the practice of veterinary medicine, clinical laboratory, or hospital for the possession and use of specified byproduct material "in prepackaged units" not exceeding certain quantities for *in vitro* (outside the body) clinical or laboratory testing. Such testing, under the provisions of a general license, must not involve the direct administration of this type of byproduct material to human beings or animals. Applicants for a general license under 10 CFR 31.11 must register with the Commission by filing NRC Form 483 and receive an acknowledgment of the registration before receiving byproduct material under the general license.

IMNS Responsibilities

- 1 Provide a copy of NRC Form 244 or 483 to new applicants requesting a general license for the use of certain industrial products or devices containing depleted uranium or the use of byproduct material for *in vitro* clinical or laboratory testing.

2. Review NRC Forms 244 and 483 when received, to ensure that the applicant is eligible for the general license and that the proposed activities are in accordance with the provisions of 10 CFR 31.11 and 40.25, as appropriate. If activities are not in accordance with these regulations, contact the applicant regarding the lack of conformance with the NRC general license.
3. Mail the signed NRC Form 244 or 483 to the applicant with a registration number assigned to the applicant. Signature authority for the reviewing official of generally-licensed activities should be designated according to IMNS policy.
4. Retain NRC Form 244 and 483 requests until a records disposition schedule is approved by the National Archives and Records Administration. These records are unclassified and must be retained according to NUREG-0910, "NRC Comprehensive Records Disposition Schedule."

Registration Requirements

NRC Form 244

1. Persons who receive, acquire, possess, or use depleted uranium are subject to the regulations in 10 CFR 40.25. Within 30 days of first receipt or acquisition of such depleted uranium under a general license, a general licensee must register with the Commission by filing NRC Form 244 with the Director, Division of Industrial and Medical Nuclear Safety, with a copy to the appropriate NRC Regional Administrator.

Note There is no fee for filing a registration for a general license under 10 CFR 40.25.
2. A person who receives, acquires, possesses, or uses depleted uranium contained in industrial products or devices for mass-volume applications under a general license, must comply with the regulations in 10 CFR 40.25 (included on NRC Form 244).

Note This general license applies only to industrial products or devices that have been manufactured or initially transferred under a specific license issued pursuant to 10 CFR 40.34(a) or under a specific license issued by an Agreement State that authorizes manufacture of the products or devices for distribution to persons generally licensed by the Agreement State.

NRC Form 483

1. Any physician, veterinarian in the practice of veterinary medicine, clinical laboratory or hospital requesting a general license for the possession and use of a specified byproduct material not exceeding certain quantities in "prepackaged units" for *in vitro* clinical or laboratory testing is subject to 10 CFR 31.11. Before accepting receipt of byproduct material under a general license, a general licensee (with the exception of Part 35 medical use licensees) must register with the Commission by filing NRC Form 483 with the Director of Nuclear Material Safety and Safeguards (NMSS) and must receive an acknowledgment of the registration by way of a validated Form 483 with a registration number assigned.

Note There is no fee for filing a registration for a general license under 10 CFR 31.11.

2:	A person who receives, possesses, or uses byproduct material under a general license for use for certain <i>in vitro</i> clinical or laboratory testing must comply with the regulations in 10 CFR 31.11 (included on NRC Form 483).
Note :	<p>10 CFR 32.71 authorizes the manufacture and distribution of products for use under general license pursuant to 10 CFR 31.11.</p> <p>General licensees operating under 10 CFR 31.11 are limited to specific radioisotopes and unit quantities of radioactive material.</p> <p>Persons authorized by a specific license under the provisions of 10 CFR Part 35 for the medical use of byproduct material may receive, acquire, possess, use, or transfer byproduct material under a general license without filing NRC Form 483.</p>

The *in vitro* testing must not involve the internal or external administration of byproduct material, or the radiation therefrom, to human beings or animals.

"Prepackaged units" include individual reagent vials, radioassay kits, and/or calibration sources.

Processing of NRC Forms 244 and 483

IMNS will process NRC Forms 244 and 483 as follows:

1:	Receipt - The Headquarters Document Control Desk will forward the hard copy of the request directly to the licensing section for processing without scanning the document into ADAMS.
2:	Processing Form 244 requests - Search the existing file to determine if the applicant has a valid form on file. If there is a record for the applicant, enter the file number from the initial filing onto the revised Form 244. Otherwise, obtain the next file number from the log book and enter it onto the hard copy Form 244.
3:	Processing Form 483 requests - Verify that the applicant is a physician, veterinarian in the practice of veterinary medicine, a clinical laboratory, or a hospital. Search the existing file to determine if the applicant has a valid form on file. If there is a record for the applicant, enter the validation number from the initial filing onto the revised Form 483. Otherwise, obtain the next validation number from the log book and enter it onto the hard copy Form 483.
4:	Approval and Distribution - An approved licensing staff member must sign and date the hard copy form, scan the completed form into ADAMS, complete the profile, and declare it an Official Agency Record. Mail the signed, original form with an acknowledgment letter back to the applicant. A sample acknowledgment letter is provided in Appendix D.
Note :	All new NRC Form 244 and 483 requests will be maintained in ADAMS. The historical hard copy requests are maintained in IMNS. These historical hard copy files (received before April 2000) are not currently scanned into ADAMS; therefore, these hard copy records must be searched for previously submitted forms. This preliminary review, in addition to searching ADAMS, must be conducted before completing the request and adding the file/validation number.

5 Deficiencies - If an NRC Form 244 or 483 is found deficient (i.e., does not contain the required information or indicates that the applicant would not qualify under the provisions of a general license), the technical reviewer must attempt to resolve the deficiencies by telephone contact with the applicant. If the deficiencies can be resolved through telephone contact, mark the form with the corrections provided by the applicant. If the deficiencies cannot be resolved by telephone, send a letter requesting the necessary information.

3.2.10 Processing Reciprocity Applications (Form 241)

This section provides guidance to licensing staff on processing NRC Form 241, "Report of Proposed Activities in Non-Agreement States, Areas of Exclusive Federal Jurisdiction, or Offshore Waters," and licensee-requested revisions to NRC Form 241. Agreement State licensees wishing to perform licensed activities in non-Agreement States, areas of exclusive Federal jurisdiction in Agreement States, or in Federal offshore waters are subject to the general license regulations in 10 CFR 150.20. Under this provision, the Commission recognizes and allows certain Agreement State licensees to work in areas of NRC jurisdiction under their Agreement State license.

Note This section duplicates much of the guidance in Inspection Manual Chapter 1220, "Processing of NRC Form 241 and Inspection of Agreement State Licensees Operating Under 10 CFR 150.20." It was included in this NUREG because processing forms and issuing procedures letters are considered administrative functions of the Regional licensing staff.

Jurisdiction

NRC/Agreement State jurisdiction can be very complex. Reviewers should refer to the definitions and guidance in Volume 19 of NUREG-1556, "Consolidated Guidance About Materials Licenses: Guidance for Agreement State Licensees About NRC Form 241 'Report of Proposed Activities in Non-Agreement States, Areas of Exclusive Federal Jurisdiction, or Offshore Waters' and Guidance for NRC Licensees Proposing to Work in Agreement State Jurisdiction (Reciprocity)," to determine whether NRC has jurisdiction over the proposed activities.

Responsibilities and Authorities

Division of Industrial and Medical Nuclear Safety, NMSS

Maintain the computer-based Reciprocity Tracking System (RTS). The RTS is necessary for tracking reciprocity activities, assisting in the planning of inspections of reciprocity activities, and providing summaries of reciprocity activities and inspections on an Agency-wide basis. IMNS is also responsible for establishing the procedures and guidelines for processing NRC Form 241.

Regional Offices

1. Before January 1 each year, issue a procedures letter (see sample in Appendix D) to all reciprocity licensees from the previous year.
2. Provide a procedures letter to new applicants requesting reciprocity.
3. Review each submitted NRC Form 241 to ensure that the requested activities of Agreement State licensees are in accordance with 10 CFR 150.20 and are authorized under the Agreement State license. If activities requested are not in accordance with the provisions of 10 CFR 150.20, contact the Agreement State licensee regarding the lack of conformance with the NRC general license.
4. Enter the licensee information from the NRC Form 241 into RTS and ADAMS, electronically distribute the signed NRC Form 241, and provide notification to the appropriate authorities, including the NRC Regional Office having jurisdiction in the area(s) in which the Agreement State licensee intends to operate under reciprocity. Signature authority for the reviewing officials of the reciprocity activities requested on NRC Form 241 should be designated according to Regional policy.

Form 241 Requirements

1. Agreement State licensees requesting reciprocity for activities conducted in non-Agreement States, areas of exclusive Federal jurisdiction within Agreement States, or in Federal offshore waters are subject to the provisions of 10 CFR 150.20. The first time within a calendar year that an Agreement State licensee conducts reciprocity activities, it must file a completed NRC Form 241, provide one copy of its Agreement State license, and the appropriate fee as specified in fee category 16 of 10 CFR 170.31, unless one or more of the exemptions in 10 CFR 170.11(a)(4) are applicable. See 10 CFR 150.20(b)(1) for further details.

Note: An Agreement State licensee operating under an approved NRC Form 241 general license authorization (reciprocity) pursuant to the general license provisions of 10 CFR 150.20 does not have to obtain authorization from NRC before performing reciprocity activities requested on the approved NRC Form 241; however, licensees who do not qualify for the general license will be informed that work is not to be performed in areas of exclusive Federal jurisdiction within Agreement States, non-Agreement States, or in Federal offshore waters, until NRC receives the required information.

All questions concerning reciprocity fees should be referred to OCFO.
2. In completing NRC Form 241, the Agreement State licensee must provide sufficient information to enable NRC to conduct unannounced inspections.

Note: The reviewer should assure that the Form 241 contains sufficient information to find any place of use where the general licensee plans to conduct reciprocity activities.
3. The Agreement State licensee should only identify work to be conducted during a single calendar year.
4. In general, applicants prefer to file for reciprocity by using facsimile transmissions. The facsimile method avoids the many delays inherent in the mail system.

<p>When the facsimile method is used, the transmission of the NRC Form 241, the Agreement State license, and the check or credit card application must be received by NRC 3 days before the licensee engages in the proposed activity. A copy of the check serves as a promissory note from the applicant to NRC. Alternatively, the licensee may elect to file the required information through the mail or other means, as long as NRC receives all of the information outlined above at least 3 days before the licensee engages in the activity. It is the responsibility of the applicant to ensure that NRC's Regional Offices receive the materials within the specified 3-day time frame.</p>
<p>5. If the facsimile or other acceptable method for filing the required NRC Form 241 information is not available to the licensee as a result of an emergency or for other unforeseen reasons, the Regional Administrator (or the RA's designee) can waive the time requirements specified in 10 CFR 150.20(b)(1) for the filing of NRC Form 241, provided the Agreement State licensee requesting reciprocity:</p>
<p>a. informs the Region by telephone of initial activities or planned revisions to the information submitted on the initial NRC Form 241 (e.g., additional locations of work or changes to the radioactive material or work activities); and</p>
<p>b. receives oral or written authorization for the activity(ies) from the Region; and</p>
<p>c. files NRC Form 241, one copy of the Agreement State license, and the check or credit card application for the fee payment within 3 days after the telephone notification.</p>

Processing of NRC Form 241

Agreement State licensees are required to report their proposed activities in non-Agreement States to the NRC Regional Administrator of the Region in which the Agreement State is located. The Regional Office shall take the following actions in processing NRC Form 241:

<p>1. Receipt - Verify that the filing is timely. Stamp or otherwise note the date of receipt on the NRC Form 241. The form must normally be received by NRC at least 3 calendar days before the licensee begins work.</p>
<p>Not es: The Regional Administrator (or the RA's designee) may consider a waiver of the 3-day time requirement, as provided in 10 CFR 150.20(b)(1).</p> <p>The Document Control Desk will forward the original, hard copy form to the licensing staff for processing without scanning it into ADAMS. The licensing staff will process and sign the hard copy form, scan it into ADAMS, complete the profile, and declare it an OAR.</p>
<p>2. Process the initial incoming NRC Form 241.</p>
<p>a. Immediately upon receipt of NRC Form 241, verify that the applicant has provided the required information and that the certification block for the certifying entity has been signed and dated by the Radiation Safety Officer or a management representative.</p>

<p>Not e:</p>	<p>Confirm that none of the staff members is banned from NRC licensed activities by checking the escalated enforcement actions issued to individuals. Go to the Office of Enforcement page on the external web site (www.nrc.gov/OE/). Select "Enforcement Actions" from the buttons on the left side of the screen. Select "Escalated Enforcement Actions Issued to Individuals" from the links at the bottom of the page. Go to the Edit drop-down menu, and select "Find in Frame." Search for the individual's last name. If an order was issued to the individual, read the order and confirm whether the restrictions still apply. Consult with OE <i>before</i> taking any action for an individual who appears to be banned from NRC activities.</p>
<p>b.</p>	<p>Verify that the NRC Form 241 package contains a check or credit card application for fee payment with the required fee specified in 10 CFR 170.31; one complete copy of a valid, active Agreement State license; and the initial NRC Form 241, properly signed. Make two copies of the check for the action package and forward the original check and a copy of the check to the NRC Lockbox in accordance with the guidelines in Section 5.1.1 of this NUREG.</p>
<p>Not e:</p>	<p>For NRC Forms 241 received without a fee payment, notify the licensee, by telephone, that the required fee (10 CFR 170.31) must be provided, before conducting activities under reciprocity.</p> <p>In cases where the Agreement State licensee seeks a waiver of the time requirements from the RA, the reviewing personnel in the Region may authorize reciprocity activities before receipt of the fee. The licensee must provide a copy of the check intended for paying fees (pending the actual receipt of the check). If no check or copy is available, authorization can only be granted after the OCFO is contacted and grants approval. A copy of the check for reciprocity activities serves as a promissory note.</p>
<p>c.</p>	<p>Review the Agreement State license that was submitted with NRC Form 241 to verify that the proposed activities are authorized by the license and that the license will remain in effect and not expire during the time of the proposed activities.</p>
<p>Not e:</p>	<p>An Agreement State licensee cannot qualify for a general license under the provisions of 10 CFR 150.20 if the license issued by the Agreement State limits the activity authorized by the license to specific installations or locations. The license must authorize temporary job site locations before the general license authorized under 10 CFR 150.20 can apply.</p>
<p>d.</p>	<p>For initial NRC Forms 241, enter the Agreement State licensee and fee information into the Reciprocity Tracking System (RTS).</p>
<p>Not e:</p>	<p>Information concerning the use of RTS can be found in the U.S. NRC Reciprocity Tracking System 36.15 User's Guide (RTS User's Guide).</p>
<p>e.</p>	<p>Enter individual work location information into RTS.</p>
<p>Not e:</p>	<p>The Location Reference Number (LRN) is generated by RTS and is required for tracking the NRC Form 241 and any revisions. The LRN and its use is described in the RTS User's Guide. This unique number should be entered on NRC Form 241 for use by the licensee on subsequent revisions.</p>

f.	If the NRC Form 241 is found deficient (i.e., does not contain the required information, or the information provided indicates that the applicant does not qualify), the licensing staff should refer to the procedure for handling deficient forms below.
Not e:	For cases where NRC Form 241 is received and the information provided indicates that the licensee does not qualify for a general license under 10 CFR 150.20, notify the licensee by telephone and send a follow-up letter within 3 days of receipt of the NRC Form 241 request. This letter should explain to the licensee that the information provided in its NRC Form 241 does not qualify for reciprocity and that the applicant is not authorized to perform reciprocity activities.
g.	When it is determined that the applicant has provided the required information and the correct fee payment, an authorized staff member must sign and date NRC Form 241 as the reviewing official and forward a copy to the Agreement State licensee with an acknowledgment letter (see the sample in Appendix D). This approved copy of NRC Form 241 may be transmitted via facsimile, e-mail, or other available and efficient method of transmission.
Not e:	Signature authority for the reviewing official for reciprocity activities requested by NRC Form 241 should be designated according to Regional policy.
h.	The Regional Office will have the completed reciprocity package scanned into ADAMS, complete the profile, and declare the package an OAR. Licensing staff should promptly notify, by e-mail, the inspection staff that has the responsibility for inspecting the reciprocity activities.
i.	Make copies of the check for the action package that is maintained in-house, and forward the original check and a copy of the check to the NRC Lockbox, according to the general guidelines in Section 5.1.1 of this NUREG.
j.	Notify the individual State(s) where the work is to be performed.
3.	Revision to NRC Form 241.
a.	Verify that the amended NRC Form 241 is a revision. Revisions include identifying previously-unidentified work locations, changing the radioactive material authorization, and specifying work activities different from the activities identified on the initial Form 241. If the initial Form 241 failed to identify any specific work sites, the identification of a specific work site is considered a revision, not a clarification.
Not e:	Confirm that none of the staff members is banned from NRC licensed activities by checking the escalated enforcement actions issued to individuals. Go to the Office of Enforcement page on the external web site (www.nrc.gov/OE/). Select "Enforcement Actions" from the buttons on the left side of the screen. Select "Escalated Enforcement Actions Issued to Individuals" from the links at the bottom of the page. Go to the Edit drop-down menu, and select "Find in Frame." Search for the individual's last name. If an order was issued to the individual, read the order and confirm whether the restrictions still apply. Consult with OE <i>before</i> taking any action for an individual who appears to be banned from NRC activities.

b.	Verify that the applicant has provided the appropriate fee for the revision with the request and confirm that the certification block has been signed and dated by the RSO or Management representative. Make a copy of the check for the action package that is maintained in-house, and forward the original check and a copy to the NRC Lockbox, according to the general guidelines in Section 5.1.1 of this NUREG.
Note:	<p>For revisions to NRC Form 241 that are received without a fee payment, notify the licensee by telephone that the required fee specified in 10 CFR 170.31 must be provided before NRC can review the revision request.</p> <p>Because of the time limitations often associated with reciprocity activities, revisions to NRC Form 241 may be authorized before receipt of the fee or a copy of a check written for fees; however, the reviewer must first contact OCFO for verbal approval before authorizing the activities listed on NRC Form 241.</p>
c.	Verify that the information from the initial NRC Form 241 is current and correct before revising the licensee's reciprocity record in the RTS.
d.	Determine the number of total days of reciprocity charged to date to the general license from RTS. The number of days charged is calculated by determining the total number of days of reciprocity activities conducted and/or the number of days that licensed material was stored or brought into non-Agreement States or in areas of exclusive Federal jurisdiction. Record this information on the NRC Form 241.
e.	For new locations of work, additional dates, or different activities, enter the new information into RTS, which will assign an LRN for each new location of work listed on NRC Form 241.
f.	If NRC Form 241 is found deficient (i.e., does not contain the required information, or the information provided indicates that the applicant does not qualify as a general licensee), refer to the procedure outlined below for handling deficient NRC Form 241s.
Note:	<p>For cases where revisions to NRC Form 241 are received and the information provided indicates that the licensee no longer qualifies for a general license under 10 CFR 150.20, notify the licensee as soon as practicable to cease licensed activities in NRC jurisdiction. The staff member making the notification should issue a letter immediately after the notification (within 3 days of the submittal) that explains why the Agreement State licensee does not qualify for reciprocity and that confirms that licensed activities should cease immediately. The LA or staff member making the notification should forward the ADAMS session number to OCFO for fee processing.</p>
g.	When it is determined that the required information specified in 10 CFR Part 150.20 and that the fee payment or proof of fee payment was provided, the authorized staff member must sign and date NRC Form 241 as the reviewing official and forward a copy with an acknowledgment letter to the Agreement State licensee unless this information was provided in other recent correspondence. An example of an acknowledgment letter is provided in Appendix D. The general licensee's copy may be transmitted via facsimile, e-mail, or mail, depending on the availability of equipment and the mode requested by the applicant.

Not e:	It is not necessary for the general licensee to resubmit the Agreement State license unless that license has been amended since the filing of the initial NRC Form 241.
	h. The Regional Office will have the completed reciprocity package scanned into ADAMS, complete the profile, and declare the package an OAR. Licensing staff should promptly notify, by e-mail, the Regional inspection staff responsible for inspecting the reciprocity activities.
	i. Forward the ADAMS accession number for completed reciprocity requests to OCFO for fee processing. After OCFO staff determines that the appropriate fee was paid, they will enter the fee paid milestone into the LTS.
	j. Notify the individual State(s) requesting notification by NRC of reciprocity activities within their State boundaries of all proposed locations where the reciprocity work may be performed. This notification to State(s) can consist of providing hard copies of NRC Form 241s, or by using e-mail to provide the ADAMS accession number for referencing the completed NRC Form 241.
4.	Clarifications of NRC Form 241 - Licensees should notify NRC of clarifications to the initial NRC Form 241. Clarifications to an NRC Form 241 do not require a fee.
	a. Verify that the amended NRC Form 241 is a clarification, not a revision. Clarifications are limited to changes in <i>previously-identified</i> information, i.e., work sites, work site contacts, or dates of work.
Not e:	If the information provided by the general licensee does not meet the criteria stated above for a clarification, notify the licensee of this fact by telephone within 3 days of receipt of the amended NRC Form 241 request. If the new request constitutes a revision, inform the licensee that a fee is required for revisions and that the required fee must be provided before NRC reviews the request. For the processing of revision requests, see the procedure above.
	b. Confirm that the information on file in RTS from the initial NRC Form 241 is current and correct before revising the licensee's reciprocity record.
	c. Obtain from RTS the total number of days of reciprocity charged to date to the general licensee. The number of days charged is calculated by determining the total number of days activities were conducted and/or the number of days that licensed material was stored in non-Agreement States or in areas of exclusive Federal jurisdiction. Record this number on the NRC Form 241.
	d. When it is determined that the information submitted by the general licensee only contains clarifications, the approved staff member must sign and date NRC Form 241 as the reviewing official. This signature indicates that the clarifications provided have been reviewed and found sufficient. After completion of the review process, a copy of the approved NRC Form 241 is then forwarded to the Agreement State licensee. This copy approving the requested clarification may be transmitted via facsimile, e-mail, or mail, depending on the general licensee's availability of equipment.
	e. As no fees are involved for clarifications, the Regional Office will have the completed reciprocity package scanned into ADAMS, complete the profile, and declare the package an OAR.

	<p>f. Licensing staff should promptly notify, by e-mail, the Regional inspection staff responsible for inspecting the proposed reciprocity activities.</p>
	<p>g. Notify the individual State(s) of reciprocity activities that may be conducted within their State boundaries. This notification can consist of contacting the State(s) by e-mail and providing the ADAMS accession numbers for the completed NRC Form 241s.</p>
5	<p>Deficient NRC Form 241.</p>
	<p>a. If NRC Form 241 contains omissions or errors, first attempt to resolve these items by telephone contact with the Agreement State licensee within 3 days of receipt of the NRC Form 241 request. If the deficiencies can be resolved by telephone contact, mark the NRC Form 241 with the corrections and emphasize to the licensee the need to comply with the requirements of 10 CFR 150.20.</p>
	<p>b. If the deficiencies cannot be resolved by telephone, send a letter identifying to the licensee the errors, omissions, or deficiencies and requesting the necessary additional information. The letter should emphasize the need to comply with the requirements of 10 CFR 150.20 before conducting activities under reciprocity. In the deficiency letter, notify the general licensee that the review process will continue upon receipt of the requested information.</p>
	<p>c. If in the applicant's response, the deficiencies were still not resolved, notify the licensee by telephone and send a follow-up letter within 3 days of receipt of the NRC Form 241 request. This letter should specifically explain that the applicant has not submitted the required information and thus does not qualify for a general license under 10 CFR 150.20. Inform the licensee that work is not to be performed in areas of exclusive Federal jurisdiction, non-Agreement States, or in Federal offshore waters until NRC receives the required information.</p>
	<p>d. Make two copies of the check for the action package that is maintained in-house, and forward the check and a copy of the check to the NRC Lockbox, in accordance with the general guidelines in Section 5.1.1 of this NUREG.</p>
	<p>e. The Regional Office will modify the NRC Form 241 to indicate that the form has been approved or disapproved. The Regional Office will have the final reciprocity package scanned into ADAMS, complete the profile, and declare the package an OAR. If approved, licensing staff should promptly notify inspection staff and individual States, as stated above, for initial and revised packages.</p>
	<p>f. For Agreement State licensees, other than those using materials in Federal waters, whose proposed reciprocity activities are approaching or would exceed the 180-day limit, the licensee should be notified by telephone or in writing that a specific NRC license must be applied for and obtained if activities in non-Agreement States in excess of 180 days are to be conducted within the calendar year.</p>
6	<p>Apparent Non-Compliance with 10 CFR 150.20 - If the NRC Form 241 describes activities that appear to be in noncompliance with the Agreement State specific license or other regulatory requirements, the following actions shall be taken:</p>

	<p>a. Where the Agreement State license limits use to a specific address or location, advise the licensee, by telephone or in writing (notify the appropriate Agreement State) within 3 days of receipt of the NRC Form 241 request, that reciprocity cannot be granted under the current license. Suggest that the applicant apply to the Agreement State licensing authority for a license amendment permitting temporary job site locations on its Agreement State License, or optionally, apply to the appropriate NRC Regional Office, for a specific NRC license authorizing the activity requested.</p>
	<p>b. In cases where general license activities are considered violations of 10 CFR 150.20 (i.e., activities were started before the initial NRC Form 241 was submitted, where the Agreement State license has expired, where the Agreement State license limits locations, or where the 180-day land-based limit in a calendar year is exceeded), these violations should be treated in accordance with NUREG-1600, "NRC Enforcement Policy."</p>
7	NRC Form 241 - Equivalence or Misdirection.
	<p>a. Equivalence - There may be cases where the Agreement State licensee submits a letter in lieu of NRC Form 241. This process is acceptable, provided the letter contains all of the information required by NRC Form 241, including one complete copy of a valid Agreement State license and the required fee payment.</p>
	<p>b. Misdirection of NRC Form 241 - If an Agreement State licensee inadvertently submits an NRC Form 241 to NMSS or the wrong Regional Office, the receiving office shall promptly notify the appropriate Regional Office and immediately forward the submittal via facsimile, mail, or e-mail.</p>

Retention and Disposal of Reciprocity Licensing Documents

All reciprocity licensing documents, including the initial NRC Form 241s, authorized revisions, clarifications, and 10 CFR 2.790 requests, must be retained and/or destroyed in accordance with the approved records disposition schedules contained in NUREG-0910, "NRC Comprehensive Records Disposition Schedule." NRC Schedule 2-24.4.d requires that license files be retained for 20 years after license termination. Documents associated with a Form 241 should be retained for 20 years following the year for which the Form 241 was in effect.

4 License Reviewer Guidance

4.1 Introduction

This chapter provides guidance and criteria to the license reviewer for processing license applications for new applicants, amendments and renewals. This guidance assumes that applications will be filed and reviewed in accordance with the guidance set forth in the NUREG-1556 series. If the licensee does not use the NUREG-1556 series, the review of the applicant's submittal may take longer to complete.

Reviewers should use, as a minimum, all available NUREG-1556 tools, including process,

criteria, and checklists, when reviewing license applications to standardize and simplify the review process. An applicant may request authorization to use licensed materials in more than one program type. In this case, the reviewer would need to use more than one NUREG volume to review the application. A complete list of the documents in the NUREG-1556 series is located in the Foreword to this document. The reviewer should review and compare the specific licensing criteria for each program type to identify the common criteria and the unique issues. The applicant's radiation safety program must adequately address all of the criteria for each program type to be authorized; however, reviewers should avoid requesting information not identified in the NUREG. When adding new or multiple program types to a single license, the reviewer should refer to Inspection Manual Chapter 2800 to identify the program code with the highest inspection priority. The program code with the highest inspection priority should be identified as the primary program code in the LTS, and this program code will dictate the inspection frequency for this license.

If the NUREG series does not request information thought to be critical to a particular licensing action, Headquarters should be informed so that the guidance can be revised, if necessary, to include the information. If additional guidance beyond the information provided in the NUREG series is needed, this information should be requested in a technical assistance request (TAR). Reviewers should refer to Section 4.14 for specific guidance about TARs.

4.2 Processing New Applications

Applicants for new licenses are expected to provide all the information specified on NRC Form 313, "Application for Material License." All items in the application should be completed in enough detail for the reviewer to determine that the proposed equipment, facilities, training and experience, and radiation safety program satisfy regulatory requirements and are adequate to protect public health and minimize danger to life and property. The reviewer should perform a comprehensive review of the application. This review should consist of a comparison of all material submitted by the applicant, with the requirements in the appropriate regulations, guidance provided in the appropriate NUREG-1556 volume, and guidance supplemented in relevant TAR responses.

Note Confirm that none of the staff members is banned from NRC licensed activities by checking the escalated enforcement actions issued to individuals. Go to the Office of Enforcement page on the external web site (www.nrc.gov/OE/). Select "Enforcement Actions" from the buttons on the left side of the screen. Select "Escalated Enforcement Actions Issued to Individuals" from the links at the bottom of the page. Go to the Edit drop-down menu, and select "Find in Frame." Search for the individual's last name. If an order was issued to the individual, read the order and confirm whether the restrictions still apply. Consult with OE *before* taking any action for an individual who appears to be banned from NRC activities.

Sections of the application that do not conform to, or fail to address areas in the appropriate guidance, become deficiencies that must be resolved before the license is issued. The application should be reviewed against the checklist/suggested format in the appropriate NUREG-1556

volume(s). All deficiencies should be clearly documented and communicated to the applicant. Reviewers should apply the guidance in the NUREG-1556 series to the extent suitable to the applicant's proposed activities and should not apply any standards or criteria for which there is no specific regulatory basis. Reviewers should accept only procedures or proposals that result in a level of safety at least equivalent to that provided for in NRC guidance.

4.3 Processing Amendments

The licensee is obligated to keep the license current. If any of the information provided in the original application changes in a way that requires an amendment to the license as specified in the NUREG-1556 series, or in any way affects specific items concerning NRC jurisdiction, the licensee must submit an application for a license amendment to reflect the change, before the change takes place. The licensee should identify the specific changes in the amendment request and discuss the basis for the changes. The reviewer should focus the evaluation on only those areas that the licensee indicates need revision. If the licensee completely resubmits the entire application, the reviewer should request that the licensee specifically identify the requested changes. The licensee may opt to resubmit the request and only discuss the specific changes, or may identify the changes by marking or highlighting the modified text.

4.4 Processing Renewals

NMSS has developed a license renewal system that primarily focuses resources on applications from licensees whose performance indicates potential programmatic weaknesses, and on licenses with program areas that have undergone major changes that could affect radiation safety. Each renewal application will be screened against a specific set of performance indicators, discussed in this section, to determine whether the application will receive a comprehensive or limited review.

4.4.1 Determining Review Status

The first task for the reviewer is to review the Docket file(s) and inspection and licensing correspondence, and query NRC data bases (such as the Nuclear Materials Events Database (NMED) and the Licensee Event Reports (LERs)) to compare the licensee's effectiveness against the specified performance indicators. An application submitted by a licensee that demonstrates the presence of one or more of these performance indicators will receive a Comprehensive Review. Applications from licensees who do not exhibit any of these performance indicators will receive the Limited Review. The technical review and evaluation of each renewal application will be documented using the checklist in Appendix C, entitled, "Performance Evaluation of Renewal Applications."

However, based on an evaluation of the specific circumstances associated with the presence of a performance indicator, NRC licensing management may decide that a comprehensive review is not warranted. NRC licensing management reserves the option to request that the licensing staff perform a comprehensive review of a renewal even though the application is from a licensee that does not trigger any of the formal performance indicators but that may exhibit other

characteristics warranting a comprehensive review. These particular management decisions must also be documented in the performance evaluation checklist.

4.4.2 Performance Indicators

The reviewer should complete the performance indicators on the checklist provided in Appendix C using the following guidance. This checklist serves as an OAR because it contains the technical basis of a decision not documented elsewhere.

1. Enforcement History
A licensee that is or has been the subject of an ongoing investigation by the Office of Investigations (OI) or escalated enforcement action within 5 years will be considered for a comprehensive review of the renewal application. Escalated enforcement action includes any Order, civil penalty, or Notice of Violation issued at Severity Levels III, II, or I.
<i>Note:</i> Licenses should not be renewed if they are the subject of an ongoing investigation or pending enforcement action without the written concurrence of the appropriate office.
2. Loss of Material
If the licensee has been cited with a violation for the loss of control of a reportable quantity of licensed material presumed to be in the public domain in the last 5 years, the license application will be considered for a comprehensive review.
3. Unauthorized Disposal or Release of Material
If the licensee has been cited with a violation regarding unauthorized disposal or release of material in the last 5 years, the license application will be considered for a comprehensive review.
4. Overexposure
If the licensee has been cited for a radiation exposure in excess of regulatory requirements in the last 5 years, a comprehensive review of the license application will be considered. Exposures would include those to members of the public as well as to occupationally-exposed individuals.

4.4.3 Comprehensive Reviews

Reviewers should conduct the same comprehensive review required for new applications. Please refer to Section 4.2, Processing New Applications, for guidance.

4.4.4 Limited Reviews

Reviewers should use the limited review checklist in Appendix C. A limited review of a renewal application will only evaluate the following areas for conformance with the guidance from the appropriate NUREG-1556 volume on the content of the application:

1. Administrative Items

	Review administrative items, including the licensee's name and address and other items, such as the Radiation Safety Officer's name. Also, ensure the renewal application is signed and dated by an individual authorized to make binding commitments and sign official documents on behalf of the licensee.
2.	Financial Assurance
	Reviewers should check the possession limits and confirm that decommissioning financial assurance requirements have not changed. If new possession limits invoke new requirements, ensure that the application contains the required documents. For those licensees that must provide a financial assurance instrument, ensure the instrument is adequate for the current scope of the program.
	Note: If the licensee submitted a Decommissioning Funding Plan, it must include a means for adjusting the cost estimates and associated funding levels periodically over the life of the facility (see 10 CFR 30.35(e), 40.36(d), and 70.25(e)). Periodic adjustments are expected to range from 1 to 5 years. Any proposal to wait more than 5 years before adjusting cost estimates and funding levels should be coordinated with NMSS management (branch level or above) before it is approved.
3.	Program Management
	Review those portions of the application that address program management, including:
	a. Organizational structure (assure that appropriate elements are present and are assigned necessary authority and responsibility);
	b. The qualifications of key personnel, such as the Radiation Safety Officer, authorized users, radiographers, well loggers, irradiator operators, authorized medical physicists, and authorized nuclear pharmacists; and
	c. The licensee's radiation safety audit program.
4.	Equipment and Facilities
	Review those portions of the application that address equipment and facilities.
5.	Environmental Assessments
	Review those portions of the application that need an environmental assessment because they do not conform to the categorical exclusions in 10 CFR Part 51.
6.	Unreviewed Requests
	Review any new authorizations, requested by the licensee, that have not been previously reviewed, and any major program elements that require change as a result of the new authorization. Also review the licensee's inspection reports for changes in the licensee's scope of operations that are not referred to in the renewal package. These areas should undergo a focused review, as opposed to a comprehensive review of the entire application. Some examples of requests that should receive focused reviews are:
	a. New broad scope authority; introduction of iodination with millicurie quantities of iodine-131 or iodine-125 requiring major facility additions or changes; additional research and development activities (human and non-human); additional medical therapy modalities.

	<p>b. Any new high-risk technology uses being added to an existing license, to ensure that the licensed program can safely manage and use the new technology. Specific conditions and requirements associated with new technologies may be added to the license. Examples include new license categories, use of intravascular brachytherapy, or Boron Neutron Capture Therapy in humans.</p>
7.	Change in Key Staff Members
	<p>If there has been a change in key staff members directly responsible for the radiation safety program, conduct a focused review of the affected area.</p>
Note	<p>Confirm that none of the staff members is banned from NRC licensed activities by checking the escalated enforcement actions issued to individuals. Go to the Office of Enforcement page on the external web site (www.nrc.gov/OE/). Select "Enforcement Actions" from the buttons on the left side of the screen. Select "Escalated Enforcement Actions Issued to Individuals" from the links at the bottom of the page. Go to the Edit drop-down menu and select "Find in Frame." Search for the individual's last name. If an order was issued to the individual, read the order to confirm whether the restrictions still apply. Consult with OE <i>before</i> taking any action for an individual who appears to be banned from NRC activities.</p>
8.	Major Areas
	<p>A brief overview is made of the remainder of the application to determine if the major areas discussed in the guidance on the contents of the application from the appropriate NUREG-1556 volume are present. If detected, an obvious failure or a deficiency in a significant area should result in a thorough review of that area. A finding that more than one area is not addressed or contains a significant deficiency could result in a comprehensive review of the license application. Change to a comprehensive review should be approved by licensing management, and the reason for changing from a limited review to a comprehensive review must be clearly documented on the limited review checklist in Appendix C.</p>
Note	<p>Each Region determines from its review of the licensee's docket file and NRC data bases whether a comprehensive review is necessary. The licensee's submission of an application that does not use the NUREG-1556 series is not a performance indicator, and failure to use NUREG-1556 does not determine the level of review necessary. Although the application may take longer to review, it does not preclude a limited review with a focused review on those areas that depart from the NUREG guidance.</p>

4.5 Deficiency Letters, Calls, Faxes, and E-mails

Once issues and deficiencies have been identified in an application, the license reviewer should use the most efficient process available to fully communicate issues to licensees, document the request, and elicit the appropriate applicant response. The reviewer should use the telephone, facsimile, and e-mail to communicate with licensees, thereby reducing reliance on formal letters. All substantive communications must be clearly documented. Draft documents from the applicant should not be accepted or scanned into ADAMS and cannot be used as the basis for a licensing action.

Efforts should also be directed to improving, reducing, and eliminating reviewers' requests for additional information. Ensure that each requested item for additional information is clear (i.e., provides a description of the deficiency and a statement of what is needed); is essential to protect safety; and is linked to regulatory requirements and NUREG-1556. Once a request for information (deficiency letter, telephone call, facsimile or e-mail) is sent to the licensee, the action is tracked in the LTS database. The time parameters for certain actions outlined below are based on "tickler" dates established in the LTS and can be extended, if necessary, as approved by supervisors.

Application for a New License or for an Amendment

A. Complex Deficiencies

1. Any significant or complex deficiencies in an application for either a new license or license amendment should be described in a deficiency letter to the applicant. A sample deficiency letter is provided in Appendix D. Deficiency letters can be sent by regular mail, e-mail, or facsimile. The letter to the applicant should contain a statement that specifies that NRC will assume the applicant does not wish to pursue its application if NRC does not receive a reply within 30 calendar days from the date of the letter. The reviewer should complete an LTS form that instructs the LA to enter a milestone 14 into the LTS database for tracking the specific licensing action.
2. If a response to the deficiency letter is received within 35 calendar days from the date of the letter, proceed with review of the response.
3. If a response to the deficiency letter is not received within 35 calendar days from the date of the letter, the licensing staff should consider the application as abandoned for failure to provide the requested information. This abandonment is without prejudice to the resubmission of the application. Prompt action (5 working days) should be taken to void the application.
4. If a response to the deficiency letter is received after the application has been voided, and the response is received not more than one year from the date of the letter, the application should be assigned a new control number, and review should proceed. Typically, no additional fee is necessary unless the application was subject to full cost recovery. The "voiding" of this type of application should be closely coordinated with OCFO.

B. Simple Deficiencies

1. To expedite the issuance of a license or license amendment, reviewers are encouraged to use the telephone or e-mail to obtain clarifying information from an applicant and to notify an applicant of the existence of simple deficiencies in their application. Inform the applicant that the request will be considered void or abandoned without prejudice if they fail to respond. Simple deficiencies can include such items as a model number for a source, model number of a leak test kit, need for a commitment for frequency of change of personnel monitoring equipment, etc. For most applicants, simple deficiencies do not include training and experience of individuals, descriptions of radiation safety programs, etc.

2. The reviewer should document the telephone call or e-mail, including the warning about failure to respond. A copy of the conversation record should be provided to the applicant. Complete the appropriate LTS form, and instruct the LA to enter a milestone 15 for the specific licensing action. Documentation of the telephone call or e-mail should be entered and profiled in ADAMS as outgoing licensing correspondence.
3. Monitor the licensee's response with the LTS tickler system. If a response is not received within 35 calendar days from the original contact, void the action. Any response received after the action is voided should be handled as stated above.

Application for License Renewal

A. Complex Deficiencies

1. Any significant or complex deficiencies in an application for license renewal may need to be sent in a deficiency letter to the applicant; however, the reviewer is encouraged to use the most expedient process available to communicate issues fully to licensees. A sample deficiency letter is provided in Appendix D. The letter should request the applicant to respond within 30 calendar days from the date of the letter, but the letter should not include a formal warning. A milestone 14 should be entered into the LTS database for the specific licensing action.

NRC's licensing goal is to have no more than one request for additional information for each renewal application. If a second request is needed, escalate it quickly to NRC and licensee management to resolve open issues. If the applicant does not provide adequate information after such an exchange, complete the licensing action that can be completed, inform the licensee of issues that cannot be approved, and explain why not. Avoid multiple rounds of requests for additional information.
2. If a response to the deficiency letter has not been received within 35 calendar days from the date of the letter, a denial warning letter (second letter) should be sent. A sample denial warning letter is provided in Appendix D. This letter will notify the applicant that unless a response to the deficiency letter (first letter) is received within 30 calendar days, it may be necessary to deny the application. Such a denial would require divestiture of all material in the applicant's possession.
3. If a response to the denial warning letter is not received within 35 calendar days, the reviewer should proceed to deny the application, as described in Section 4.11.

B. Simple Deficiencies

To accelerate issuance of a renewal, reviewers are encouraged to use the telephone, facsimile, or e-mail, as described above, for new applications and amendments. If the licensee does not respond to the confirmatory letter, the reviewer should proceed to deny the renewal, as described in Section 4.11.

Extensions

A request from an applicant for an extension of time to respond to any correspondence about its application may be granted if it is determined that there is good cause to grant an extension. Appropriate LTS milestone date changes should be made by the LA to track each application properly and record extensions of time for responses. The reviewer should keep NRC management informed of licensees' continued requests for extensions.

4.6 Creating the License

4.6.1 Standard Licenses and Standard License Conditions

For consistency within NRC Regions and Headquarters, the license reviewer should use the sample licenses from the appropriate NUREG series volume as a standard when creating a license for an applicant. Some instances may exist where the reviewer may need to customize a license. Since an applicant may request authorization to use licensed materials in more than one program type, the reviewer may need to review the sample licenses in more than one NUREG series volume and then combine the pertinent license conditions into a single license, where appropriate. In some complex licensing cases (i.e., waste broker activities), it may be best to issue separate licenses. The reviewer should also refer to Inspection Manual Chapter 2800 to identify the program code with the highest priority for inspection. The program code that identifies the highest inspection priority (shortest inspection cycle) should be the primary program code in the LTS, as this program code will dictate the inspection frequency for the license.

In some specific instances, an applicant may request authorization to conduct special activities in a program that is non-routine and not included in the sample license. The reviewer should refer to the approved list of standard license conditions in Appendix E. The standard conditions are organized in categories of authorization. Use of standard license conditions should not substitute for obtaining information from applicants and licensees. Reviewers should first try to obtain commitments that will be captured by the tie-down condition rather than creating new conditions.

4.6.2 Non-Standard License Conditions

When reviewing applications, if there are simple issues that the licensee did not address, even after being asked to provide the information in a deficiency request, the reviewer should use custom license conditions to achieve closure rather than protracted negotiations with the applicant. Simple issues are the requests for information identified in the NUREG-1556 series or existing technical guidance outlined in TARs. The reviewer should use standard license conditions whenever possible; however, custom conditions may be used when necessary. The license reviewer should write the custom license condition to state the requirement clearly and simply. Custom conditions should be approved by the appropriate branch chief, and the approval should be documented (e.g., e-mail, note to file, etc.). This strategy is intended to streamline the licensing process to be more responsive to stakeholders, to empower staff, and to reduce management reviews.

Issues not currently addressed in the NUREG series and thought to be critical to a specific type of licensing action should continue to be coordinated with Headquarters. If the Region believes that a special condition is appropriate, it should also be coordinated through Headquarters. In addition, license reviewers should explain these conditions to inspection staff and licensees to ensure that all parties have the same understanding, especially those unique to a specific type of licensee. It is anticipated that license reviewers will provide an explanation in the cover letter issuing the license or call the licensee before issuing a license with non-standard license conditions.

4.6.3 Establishing License Expiration Dates

The Commission approved the extension of the terms set by policy for licenses issued under 10 CFR Parts 30 (except Part 35), 40, and 70 from 5 to 10 years in 1997. In 1998, final rulemaking was published to set the license term limit for medical use (Part 35) licenses to 10 years. Now all of these materials licenses have the same 10-year license term limit. The Commission's actions also approved the use of license terms shorter than 10 years on a case-specific basis.

Any license issued or renewed after July 10, 1998 (when the medical use license term limit was changed to 10 years) should have a 10-year term limit, unless management determines, on a case-by-case basis, that a license should be issued for fewer than 10 years. Some examples of conditions that may exist for licenses issued for fewer than 10 years are:

New Technology: The license authorizes a new high-risk technology that the industry, the particular licensee, or NRC has not had extensive experience in using or regulating.

Enforcement History: The licensee, in the last inspection or 5 years (whichever is longer), had a Severity Level I, II, or III violation.

Possession-Only: The license authorizes possession and storage only. When no other activities are authorized, there is no principal activity for the licensee to cease. Therefore, the requirements to notify NRC and undertake decommissioning do not apply. These licenses will be renewed every 2 years for a 2-year term, and decommissioning issues will be addressed at that time.

Other: Other situations that would warrant increased attention. These conditions will be addressed by the licensing staff on a case-specific basis.

Use the checklist in Appendix C entitled "New & Renewal - License Terms of Less Than 10 Years," to document the license term, the basis for the decision, and the basis for an exemption, if required. This checklist is designated an OAR because the basis of a decision is not documented elsewhere. If the license reviewer recommends that the license term should be shorter than 10 years, a term of 5 years is typically used. Other terms may be approved on a case-specific basis. NRC management must approve all license terms shorter than 10 years.

4.6.4 Issuance of Final Licensing Action

1. For all completed licensing actions, the license reviewer should send the licensee a cover letter and the original signed license.
2. The cover letter may be a form letter or individual letter, depending on the individual case and the practice of the Region. A sample cover letter is provided in Appendix D.
3. Many licensing actions require specific information to be included in the cover letter related to the individual case. All information may be combined into a single cover letter, or license reviewers may elect to use attachments.
4. For licenses that are amended frequently, it is acceptable to include the standard information with every licensing action; however, if deemed appropriate by the Region, the information may be deleted if it was provided in a recent previous communication.
5. Cover letters are OARs and will be maintained in ADAMS.
6. Appendix D also provides a sample cover letter for terminating a license.

4.7 Guidance for Multi-Site Licenses

NRC on occasion receives applications for new licenses, amendments, and renewals ("applications") that request authorization for use of NRC licensed material at multiple sites under one license. Many of these applications represent categories of licensees for which multiple locations of use have not been routinely authorized. The purpose of this section is to ensure that applications requesting authorization for multiple sites of use under one license (including amendment requests that expand a licensed program to multi-site) are identified and have radiation safety programs that are adequate, both in scope and in depth, to oversee safe use of licensed material at each facility; however, this section does not apply to certain categories of licenses that, by specific license condition, routinely authorize multiple locations of use (i.e., broad-scope, mobile medical service, and master material licenses) or licenses authorizing temporary job sites.

Furthermore, this section highlights general radiation safety management concerns specific to multi-site licenses, and in no way attempts to define necessary radiation safety management structures for every type of licensed activity. The license reviewer will need to tailor the review to the type of license under consideration. Information in NUREG-1516, "Management of Radioactive Material Safety Programs at Medical Facilities," may be of assistance during review of multi-site license applications.

Focus of Review

During the review of the licensee's radiation safety program and management oversight, the license reviewer should pay particular attention to delegation of responsibility and established, reciprocal lines of communication between users and management. Regardless of the number of sites authorized under one license or the geographic distance between these sites, the adequacy of the overall radiation safety management structure must be reviewed to ensure safe operations at

each site.

Description of Multi-Site

A multi-site license is one that authorizes two or more locations of use that are specifically identified on the license. Such authorized locations will typically include either: (1) stand-alone facilities that would otherwise be licensed individually; or (2) satellite facilities that are not located within the principal job site and for which NRC-licensed activities are ongoing, with the exception of temporary job sites, broad scope licensees, or mobile nuclear medicine services. A multi-site facility may also include those groups of licensees for which the addresses of use are geographically separated. These facilities may each be under the direction of a single corporate RSO, or they may have site RSOs who report to a corporate RSO. The corporate RSO is usually the RSO of record on the license.

Furthermore, the nature of licensed material use and licensed operations (e.g., medical versus industrial) should be the same at each site. Licensed material uses currently licensed separately as a result of NRC policy should continue to be licensed separately (e.g., teletherapy).

Multi-Site Examples:

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| 1. | Radiopharmacy licensees with multiple radiopharmacy locations on one license; |
| 2. | Radiographers or moisture density gauge users with multiple permanent work sites on one license (e.g., branch offices); |
| 3. | Medical licensees with facilities at more than one geographic location; |
| 4. | Large manufacturers with facilities at more than one geographic location; and |
| 5. | Well loggers with multiple permanent work sites on one license. |

Number of Sites

A specific limit to the number of sites permitted on a multi-site license is not practical for generic application to all licensees; rather, the reviewer should assess applications on a case-by-case basis. The basis for determining the appropriate number of sites for a specific licensee should include the following considerations: (1) past inspection history; and (2) adequacy of licensee management structure for the type, scope, and geographic distribution of the program. All sites approved for use of NRC-licensed materials should be identified on the license when issued.

Communication

In those cases where there are multiple oversight levels proposed, the applicant should clearly address communication and accountability systems, including:

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| 1. | Delegation of clear and appropriate levels of authority within the licensed entity, indicating that sufficient organizational freedom exists and management has established prerogative to communicate with, train, and direct personnel according to NRC regulations and/or license provisions; |
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| 2. | Descriptions of program reviews or audits and the reporting of such activities on a regular basis; |
| 3. | Mechanisms for addressing urgent situations; |
| 4. | Mechanisms in place to inform all personnel of radiation safety program changes; |
| 5. | Provisions and techniques in the application to make personnel aware of the appropriate representatives to contact at each level of authority; |
| 6. | Assurance provided in the application that each level of oversight is available to interact with other levels, authorized users, and supervised workers, both as needed and on a regular basis. |

Records

As provided for in 10 CFR 30.52, each licensee is to make its radiation safety records available for NRC review, after receiving reasonable notice from NRC. The license application should specify point-of-contact information for NRC notification and inquiry about records. The licensee may also choose to identify locations where the records will be maintained for NRC review.

Additional Program Areas for Review

The licensee should provide specific information, including the following areas:

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| 1. | Transportation of licensed material (including radioactive waste) between authorized sites; |
| 2. | Applicability of decommissioning requirements; |
| 3. | Sharing of safety equipment between sites; and |
| 4. | Coordination among sites for inventory control of licensed material, with the intended focus of continually monitoring types and quantities of material to ensure that the total possession limits specified in the license are not exceeded. |

4.8 Opportunity for an Informal Hearing - Materials Licensing

The purpose of this section is to provide license reviewers with basic information relevant to hearing rights associated with materials licensing. An aggrieved member of the public has the right to request a hearing on any materials licensing action. The Atomic Energy Act does not, however, require that formal notice (in the *Federal Register*) be given for materials licensing actions or that hearings held on materials licensing actions be of a formal nature.

Accordingly, the Commission has provided informal procedures for materials licensing actions and any hearings held on such actions, which are set forth in Subpart L of 10 CFR Part 2, entitled, "Informal Hearing Procedures for Adjudications in Materials and Operator Licensing Proceedings." Reviewers should become familiar with the provisions of this Subpart. Specifically, reviewers should be aware that in many materials licensing actions, notices are not published in the *Federal Register*. In such instances, a member of the public may request a

hearing on the action within: (1) thirty days of receiving actual notice of a pending application; or (2) within 180 days after NRC action granting an action in whole or part (10 CFR 2.1205(d)(2)). Although the Commission is under no specific regulatory requirement to publish a *Federal Register* notice of a materials licensing action, in most cases such a notice *is* required whenever the staff makes an environmental assessment (see Section 4.10 of this NUREG). After NRC's technical review, any draft or final finding of no significant impact with respect to a proposed action must be published in the *Federal Register* (See 10 CFR 51.33 and 51.35(a)). The *Federal Register* notice should include a specific reference to Subpart L and the opportunity for a hearing.

Although unusual, reviewers should be aware that there have been occasions where members of the public have filed a request for a hearing on the staff (EDO), in conformance with 10 CFR 2.1205(f)(2), but have failed to comply with 10 CFR 2.1203, requiring that the hearing request also be filed with (submitted to) the Secretary of the Commission. When a reviewer becomes aware of a hearing request filed on the staff, he should determine whether the request has also been filed with the Secretary. If the license reviewer determines that the request from a member of the public was not filed with the Secretary of the Commission, the license reviewer should discuss the matter with the Office of the Secretary and the Office of the General Counsel before proceeding with any additional activities or notifications.

4.9 Licensing Site Visits

Licensing visits should be conducted for all new byproduct material applications involving large programs or license programs that present significant or unique technical issues. Additional guidance is provided below.

Purpose of Licensing Visits

Licensing site visits are conducted by the responsible license reviewer or a designated inspection staff member in order to accomplish one or more of the following objectives:

1. Evaluate the applicant's ability to conduct safe operations and comply with requirements;
2. Evaluate safety and technical issues that are not easily understood through correspondence or telephone conversations;
3. Expedite resolution of issues and concerns through discussions with the applicant;
4. Verify statements and commitments in the license application; and
5. Provide a first-hand review of the applicant's staff, site, and facilities.

Licensing Visits for New License Applications

Licensing visits should be conducted for the following types of new license applications:

1. Type A licenses of broad scope;
2. Panoramic irradiators greater than 10,000 curies;

3.	Manufacturers or distributors using unsealed radioactive material or significant quantities of sealed material;
.	Radioactive waste brokers;
5.	Radioactive waste incinerators;
6.	Commercial nuclear laundries; and
7.	Any other application that, in the judgment of the Regional staff, involves complex technical issues, complex safety questions, or unprecedented issues that warrant a site visit.

Licensing Visits for Amendments

Licensing visits should be conducted for any license amendment requesting a new authorization for the types of operations listed above. Licensing visits are also encouraged by NMSS for amendments involving significant modification to the types of operations listed above.

Licensing Visits for Renewals

Licensing visits are encouraged by NMSS for renewals involving the types of activities listed above; however, in many cases, resource limitations can make this difficult for the Regions to support. For each significant renewal, an evaluation of proposed licensee program changes and inspection history should be performed. If the Regional staff concludes that there are not significant program changes or unresolved licensing issues, and that a licensing visit would not be cost-effective, then a licensing visit need not be performed.

4.10 Categorical Exclusions for Materials Licensing Actions

4.10.1 Introduction

10 CFR Part 51 contains NRC's regulations implementing the Guidelines of the Council on Environmental Quality requiring the preparation of environmental impact statements pursuant to the National Environmental Policy Act of 1969 (NEPA). The basic policy on environmental assessments, environmental statements, and findings of no significant impact for most materials licensing actions are covered by "categorical exclusions" outlined in 10 CFR 51.22(c)(10) and (14) and therefore do not require environmental analyses. A categorical exclusion is defined as a category of actions "which do not individually or cumulatively have a significant effect on the human environment and which the Commission has found to have no such effect in accordance with procedures set out in 10 CFR 51.22, and for which neither an environmental assessment nor an environmental impact statement is required."

The next two subsections provide guidance on determining when materials license actions qualify for categorical exclusion in accordance with 10 CFR Part 51 and identify examples of licensing actions that are not covered by categorical exclusion.

4.10.2 Licensing Actions Eligible for Categorical Exclusion

License Actions That Qualify for Categorical Exclusion Under 10 CFR 51.22(c)(14)(i) Through (xv)

License actions that clearly qualify for categorical exclusion - License actions that clearly qualify for categorical exclusion under the provision of 10 CFR 51.22, with the exception of license termination actions, are not required to have an Environmental Assessment (EA) or documentation in the license file specific to the issue of an EA. Such categorically excluded license actions do not need to be coordinated with NMSS with regard to whether an EA is needed.

License actions that qualify for categorical exclusion after NRC's staff has completed additional technical and/or license-based justifications - Such categorically excluded license actions do not need an EA, nor do they need to be coordinated with NMSS with regard to the necessity of an EA. Unless otherwise stated below, the licensing staff is required to place in the license file, written justification to support the determination that an EA is not needed. Examples of license actions that will need either documentation or justification are discussed below.

1. ALL LICENSE TERMINATION ACTIONS

- When licensed activities clearly qualify for categorical exclusion, the close out survey and the submitted Form NRC-314, which certifies the proper disposition of the licensee's radioactive materials, are sufficient documentation.
- When licensed activities qualify for categorical exclusion based on additional technical and/or license-based justification, the close out survey and the submitted Form NRC-314 are sufficient documentation; however, if the proper justification was not documented, the reviewer will need to prepare written justification to support a determination that an EA is not needed.
- The need for additional documentation for more complex license termination actions will be determined by the Regions on a case-by-case basis. Only complex license termination actions, such as a license action that requires the submittal of a decommissioning plan (e.g., 10 CFR 30.36(c)(2)(i)), will require documentation of the justification to support why an EA is not needed. In many cases, such license actions need to be coordinated with the Division of Waste Management (DWM) of NMSS. DWM is responsible for providing the justification for any license termination action the Regions have coordinated with DWM. DWM will coordinate with IMNS for the determination on whether an EA is needed, on those actions that have been referred to them. Unless otherwise noted, the Regions can use DWM's responses to them concerning decommissioning activities as the Region's justification to support a determination that an EA is not needed.

2. FIELD STUDIES IN WHICH LICENSED MATERIAL ORIGINATING ON-SITE IS RELEASED INTO THE ENVIRONMENT

If a research and development or academic institution application proposes to release to the environment radioactive materials that originated on-site (i.e., within the controlled property of the licensee), an EA is normally not needed and is covered under categorical exclusion 10 CFR 51.22(c)(14)(v), provided:

- All releases originating on-site to the environment, such as air and liquid effluents, direct radiation from deposition of radioactive materials from the release (e.g., groundshine), comply with as low as reasonably achievable (ALARA) and Part 20 requirements.
- To assist in demonstrating compliance with the requirements of 10 CFR Part 20, the licensee should set ALARA goals for air effluents at a modest fraction of the values in Appendix B, Table 2, Columns 1 and 2, to 10 CFR 20.1001-20.2401. Experience indicates that values of about 10 millirems per year from all of the licensee's radioactive air effluents should be practicable for almost all materials facility licensees (see Regulatory Guide 8.37); therefore, as a first step toward demonstrating compliance with ALARA for radioactive air effluents, the licensee demonstrates that the nearest member of the general public receives no more than 10 millirems per year from all of the licensee's radioactive air effluents (i.e., licensee demonstrates it meets the requirements of 10 CFR 20.1101(d)).
- All releases on-site comply with all applicable decommissioning requirements (e.g., decommissioning recordkeeping requirements pursuant to 10 CFR 30.35(g)) and current decommissioning policies.

Documentation that supports the licensee's application as meeting the above criteria is sufficient to support why an EA is not needed.

For license actions that cannot meet the above criteria, the Regions should coordinate with IMNS to determine whether an EA is needed. For example, an EA would be required for discrete sources released to the environment, which originated on-site, and which may not be recovered at the conclusion of the study or decommissioning.

License Actions That Qualify for Categorical Exclusion Under 10 CFR 51.22 (c) (14) (xvi)

License actions not specifically listed in Category 14 of 10 CFR 51.22 will require a TAR to IMNS. To expedite the processing of the TAR, the Regions should perform an initial technical assessment, to be enclosed with the TAR, to justify why the licensing action qualifies for categorical exclusion under 10 CFR 51.22(c)(14)(xvi). The Commission indicated to the staff in SECY-83-286 that there should be careful documentation in cases where these categorical exclusions are applied. Appendix I provides examples of the specific type of information that should be submitted to Headquarters to assist Headquarters staff in preparing this documentation.

When a TAR is received from the Region, IMNS will review the documentation and determine if the action qualifies for a categorical exclusion. IMNS then will provide a memorandum to the Regions, documenting the results that need to be included in the official license file.

Generic Application of Previous License Actions That Qualified Under Categorical Exclusion

If a previous technical and/or license-based analysis had been performed by IMNS or DWM that bounded the environmental radiological hazards or impacts to the public for the specific generic issue under consideration, and the Region believes its specific license action is within the safety envelope of the previous generic analysis, the Region need only cite the previous generic analysis. The Region should document its rationale for making this assessment and file copies of the previous analysis and its rationale in the license file. No coordination with NMSS is necessary. If the previous analysis referenced categorical exclusion 10 CFR 51.22(c)(14)(xvi), the documentation shall include the original memorandum from the Director, IMNS, or his delegate.

4.10.3 Licensing Actions Not Eligible for Categorical Exclusion

Licensing actions for the following activities are *not* covered by categorical exclusions:

- | | |
|----|--|
| 1. | Use of radioactive tracers in field flood studies involving secondary and tertiary oil and gas recovery. |
| 2. | Performance of field studies in which licensed material is deliberately released directly into the environment for purposes of the study. (The use of tracers in well logging is specifically covered by the categorical exclusion in 10 CFR 51.22 (c)(14)(xi)). |
| 3. | Processing of source material for extraction of rare earth and other metals (currently licensed in Headquarters only). |
| 4. | Waste brokers who are authorized to store waste more than 180 days or to possess more than 50 curies of radioactive material. |
| 5. | Any commercial waste disposal (currently licensed in Headquarters only). |

Any application not covered by a categorical exclusion should be coordinated with Headquarters as soon as possible, so that specific guidance can be provided. Any application involving an activity not covered by a categorical exclusion will require the staff to develop an EA, in accordance with 10 CFR 51.21. Headquarters staff should refer to NMSS Policy and Procedures Letter 1-48, "Procedures for Preparing Environmental Assessments." If the EA demonstrates that the proposed activity will not have an adverse impact on the environment, the staff will document this finding through a finding of no significant impact (FONSI). If the EA indicates that the proposed licensing action may have an adverse impact on the environment, the staff will prepare an environmental impact statement (EIS) in accordance with 10 CFR 51.20. Headquarters staff should refer to NMSS Policy and Procedures Letter 1-50, "Environmental Justice in NEPA Documents."

Note: NMSS Policy and Procedures Letters are office letters maintained by the Program Management, Policy Development and Analysis Staff in NMSS.

4.11 Criteria for Denying Applications - Material Licenses

General Guidance

Applications for material licenses should only be denied pursuant to 10 CFR 2.103(b) if the staff cannot make the findings required by the regulations (e.g., 10 CFR 30.33, 40.32, or 70.23, as appropriate) because either:

- | | |
|----|--|
| 1. | The applicant does not satisfy the substantive requirements for receiving a license, even after providing information on which the staff can make a decision; OR |
| 2. | The applicant has not submitted adequate information (see 10 CFR 2.108). Denial pursuant to 10 CFR 2.108 presupposes that: |
| a. | The staff has requested the additional information needed to make the required findings; |
| b. | The applicant has had at least 30 days in which to provide the needed information; and |
| c. | The applicant has failed to respond and provide information or the response is not considered adequate. |

To ensure that denials, where appropriate, are issued in a timely manner, it is important for the licensing staff to perform follow-up on oral and written communications with applicants. In special situations, they should grant extensions for replies and prepare denial correspondence in accordance with this NUREG. License reviewers should note that applicants have the right to request a hearing concerning the denial pursuant to 10 CFR Part 2 (see Section 4.8 of this NUREG). Sample denial letters informing applicants of this right and providing other information supporting the denial are provided in Appendix J.

Guidance for Unusual Cases

As early in the review process as possible, identify and coordinate with NMSS, any application:

- | | |
|----|---|
| 1. | In which the staff has any question about the applicant's suitability; integrity (e.g., lack of candor or submission of inaccurate or misleading information); or ability or commitment to comply with the NRC regulations (e.g., financial instability or past inspection and enforcement history); OR |
| 2. | Containing an unusual request; OR |
| 3. | Raising novel legal or technical issues. |

Early identification and coordination with Headquarters staff on these issues is needed to ensure that the staff promptly prepares a letter of denial, if appropriate, or that Regional and Headquarters staff agree on an appropriate strategy for handling the application. The low frequency of issuance of denials necessitates case-by-case consideration.

4.12 Significant Licensing Actions That Warrant Onsite Inspection

The Incident Investigation Team, who investigated the 1992 therapy misadministration that occurred in Indiana, Pennsylvania, recommended that the staff conduct inspections of licensees whose programs have significantly changed or expanded since the last routine inspection. As a result, both short- and long-term action items were implemented to address this issue.

A checklist is provided in Appendix C for determining when a significant licensing action has taken place that may warrant a near-term on-site inspection. The selection criteria should not be considered all-inclusive, as there may be unique indicators that suggest that a licensed program has changed significantly. Significant licensing actions identified by the license reviewer should be brought to the attention of licensing and inspection managers so that appropriate action is taken to make an assessment if there is a need for the Region to conduct an on-site inspection. A sample memorandum is provided in Appendix C.

All license reviewers should understand the elements of the checklist and complete it for significant amendment or renewal licensing actions. The checklist need not be retained as an OAR if no inspection is recommended; however, if an inspection is recommended, the checklist should become an OAR.

4.13 Processing of Exemptions For Material Licensees

This section provides guidance to the Regions for processing requests for exemptions. Material licensees may be granted exemptions from NRC regulations pursuant to 10 CFR 30.11, 40.14, and 70.14. Applicants requesting exemptions must provide sufficient information for the license reviewer to determine that the proposed exemption is authorized by law; will not endanger life, property, or the common defense and security; and is otherwise in the public interest. Appendix K provides additional guidance on routine exemptions keyed to specific sections of the regulation. Some exemptions may be granted on a temporary basis, as explained below.

Note Headquarters staff should refer to NMSS Policy and Procedures Letter 1-58, "Processing of Exemptions for Material Licensees and Certificate Holders," when processing proposed exemption requests. NMSS Policy and Procedures Letters are office letters maintained by the Program Management, Policy Development and Analysis Staff in NMSS.

General Guidance

Exemptions

The exemptions to specific regulations contained in Appendix K may be granted by the Regions without coordination with Headquarters. All requests for exemptions to the regulations must not present an undue risk to public health and safety and must be consistent with the common defense and security.

The exemption request must be accompanied by:

- A description of the licensee-proposed exemption and the reason why it is needed;
- A description of specific compensatory safety measures that will provide a level of protection equivalent to the regulation for which the licensee-proposed exemption is being requested; and
- A discussion of reasonable alternatives that have been considered by the licensee.

Each Appendix K section describes the specific part(s) of a regulation that may be considered for exemption, outlines any other commitments or additional information that the licensee must submit prior to issuance of the exemption, and provides the license condition to be issued upon review and determination that the exemption can be granted.

Temporary Exemptions for Humanitarian or Emergency Reasons

The Regions may grant a temporary exemption to NRC regulations or license conditions, on a case-by-case basis, without referral to the Director, IMNS, NMSS, in certain circumstances; however, the exemption request should be discussed with IMNS whenever possible. Temporary exemptions may be appropriate in circumstances where:

- A normal license amendment is not appropriate because of the non-recurring, short duration (normally 7 days or less) nature of the exemption; and
- The non-compliance would normally result in a Severity Level IV violation per NUREG-1600, "General Statement of Policy and Procedures for NRC Enforcement Actions."

A temporary exemption should be granted only after a determination has been made that the circumstances surrounding the request are urgent and temporary and that an exemption will not endanger life, property, or the common defense and security, and that it is otherwise in the public interest. Such exemptions should not be exercised repeatedly for the same set of circumstances for the same licensee.

All licensee requests for a temporary exemption to the regulation must be accompanied by:

- A discussion of the regulatory requirements for which an exemption is requested and the identification of the specific regulation(s) or license condition(s) involved in the exemption;
- A discussion of circumstances surrounding the situation requiring a temporary exemption to NRC regulations, including the need for prompt action by NRC licensing staff, and the probable consequences to the licensee if the request is not granted;

- A preliminary evaluation of the safety significance and potential consequence(s) of granting the proposed request;
- A description of any compensatory measures, if appropriate; and
- A discussion that justifies the duration of the exemption.

The licensee's request should normally be faxed to the Director, DNMS within the appropriate NRC Region. The Director, DNMS at each NRC Region is authorized to grant the exemption request per Management Directive 9.29, "Organization and Function: Regional Offices"; however, if circumstances do not permit time for the fax, the licensee may make the request orally and read or describe the above information to the NRC staff. The oral request must be followed up within 24 hours with written documentation. The follow-up written request must confirm the information submitted orally and upon which NRC specifically relied when granting the exemption.

This specific type of exemption may be granted orally by the Director, DNMS. After granting the request, the Director, DNMS shall promptly send a letter to the licensee. This letter should follow the standard format provided in Appendix D, which documents the circumstances surrounding the temporary exemption request, a statement as to whether the exemption was granted, and the duration of the exemption. The letter signed by the Director, DNMS should include the appropriate licensing action and should normally be issued within 3 working days of granting the request. Concurrent with issuing the license, an entry must be made into the LTS. The ADAMS accession number identifies the OAR of the letter sent to the licensee and should be sent to the Office of Enforcement, and the Director, IMNS, NMSS.

Exemptions Requiring Coordination with NMSS

All requests for exemptions not described above should be considered as non-routine and should be forwarded, in a TAR, to the appropriate NMSS Division Director. The Regions should closely follow the guidance contained in Section 4.16 for TARs and submission of exemption requests for consideration of approval. All exemption requests should be entered into the LTS and ADAMS upon receipt. Examples of exemptions that require coordination with NMSS before processing by the Region, which also should be recorded in the LTS and ADAMS, are provided below. Additionally, when an exemption is being considered by NMSS, the Region should submit its evaluation of the merits of the exemption from a technical standpoint, as well as any generic implications, such as a need for rulemaking.

Examples of Exemptions Requiring Coordination with NMSS

- Relief from any of the provisions of 10 CFR Part 20.

- Requests for relaxation of, or exemptions from, the training and experience requirements of 10 CFR Part 35 for physicians, teletherapy physicists, nuclear pharmacists, authorized nuclear pharmacists, and RSOs. These requests are coordinated with NRC's Advisory Committee on the Medical Use of Isotopes (ACMUI).
- Request for relief from 35.400(d) and (g) for authorization of gold-198 and iodine-125 seeds for intracavitary and topical applications.

Administrative Procedures for Issuing Exemptions

When granting an exemption or temporary exemption to a licensee, the reviewer should describe the specific exemption in the cover letter accompanying the amendment authorizing the exemption. This cover letter should include any special provisions or conditions associated with this exemption. Additionally, the reviewer should record the exemption on the LTS worksheet and identify the specific section of the regulation to which the exemption was granted. Refer to Appendix F for specific guidance about entering and controlling data integrity in the LTS.

4.14 Technical Assistance Request - Material Licensees

The purpose of this section is to provide procedures for the preparation and processing of TARs related to material, including sealed source and device evaluations; and issues involving the storage, use, and disposal of radioactive material. These instructions pertain to all TARs submitted by the Regions to the NMSS, including those for sealed source and device design evaluations.

Regional Preparation of TARs

Regional Division Directors will submit all TARs, except those requiring sealed source and device design evaluations going to IMNS, using the TAR form and instructions provided in Appendix B. This request should be submitted electronically with any needed attachments. TARs should be placed in ADAMS and designated non-publicly available. Electronically submitted versions of the TAR should be sent by the Region to the lead Division Director in NMSS, with a copy to the IMNS secretary. For information that may not be electronically available (e.g., medical consultant's reports), indicate in the electronically submitted version those attachments that could not be sent electronically and indicate on the TAR form that they will be sent with the hard copy of the TAR. The TAR provided by the Regions will:

- Concisely state the problem or major issue requiring technical assistance from Headquarters;
- Specifically state the action that is requested from Headquarters;

- Identify any alternative actions for the problem/major issue and recommend one of these alternatives, if appropriate;
- Provide the appropriate background information for the request (e.g., copy of application, current license, inspection report);
- Identify an estimated date when a response to the TAR is required by the Region; and
- Identify TARs that have addressed similar issues, by subject and date created.

When submitting a TAR as part of the licensing process, the Regional LA shall change the milestone in the LTS to 19 and change the license reviewer code to A2 to identify IMNS. When the Region receives a final response to the TAR from Headquarters, the Region shall change the milestone in the LTS to 20, and the reviewer code should be changed back to the Regional reviewer's code.

Sealed Source and Device (SSD) Evaluations

Sealed source and device (SSD) evaluations will be performed by the Sealed Source Safety Staff (SSSS) in IMNS, not by the Regions. IMNS will deal directly with the applicant to resolve any deficiencies in the SSD application. Although an applicant may apply directly to IMNS for an SSD evaluation under 10 CFR 32.210, license applications submitted to the Regions may require an SSD evaluation also. The portion of the application requiring an SSD evaluation should be sent to IMNS using NRC Form 567, not a TAR Form (see Appendix B). NRC Form 567 is available in the InForms application on the NRC computer system. When submitting an NRC Form 567, the Regional LA shall change the milestone in the LTS to 19 and change the license reviewer code to I5 for "Custom Review." The Region should inform the applicant that an SSD evaluation is needed and advise them that someone from IMNS may be contacting them if additional information is needed.

Coordination of the final licensing action will be negotiated by Regional and IMNS reviewers on a case-by-case basis. The use of sealed sources and devices often has a significant impact on the applicant's facility and operations. Regional reviewers may be an integral part of the SSD evaluation process. Upon completion of the review, IMNS will send a letter, with a copy of the registration certificate, to the applicant and the regional license reviewer (as appropriate). The Regions will receive a monthly report on the status of all sealed source and device pending cases, independent of the weekly Division Response Action Tracking program (DRAT) report on open TARs. The LTS milestones and license reviewer codes should be changed as appropriate for the final licensing action.

Headquarters Processing of TARs

When the TAR and associated documents are received, the lead Division will assign the TAR

and notify the IMNS secretary of the due date and person assigned to complete the task. The TAR will be entered into the IMNS DRAT, be designated as having been received, and be assigned a DRAT number with a specific due date of 10 working days from the date of receipt. The responding branch will perform a completeness review of the TAR with a goal of within 5 working days, but not to exceed 10 working days from its assignment to a Headquarters reviewer. The purpose of the completeness review is to ensure that all the information is included that will be needed by the Headquarters reviewer to prepare a response. TARs that were deemed complete through the completeness review will be assigned a completion due date in DRAT by the appropriate supervisor. If the TAR package is incomplete, the Region will be notified that additional information is needed to respond to the TAR. If Headquarters does not receive the remaining information within 10 working days (goal of within 5 working days, not to exceed 10 working days), the TAR package will be returned to the Region for completion of the package, and the action will be closed in DRAT.

Typically, the goal for the Headquarters staff member to complete TAR responses is within 60 working days from the time all necessary information is received in Headquarters. The lead branch will coordinate the TAR response with other NMSS divisions and other offices (OGC, OE, etc.) as appropriate. For TARs that involve enforcement-related issues, the Director, OE should be in concurrence. Responses to certain TARs may be issued by the Headquarters Branch Chief if they do not involve exemptions or generic issues; otherwise, responses will be issued by the appropriate NMSS Division Director. A sample TAR response is provided in Appendix B. Identifying numbers, including the license number, docket number, and control number, will be indicated on the response. In addition, those TAR responses that are directly related to an event or incident will include the Nuclear Materials Events Database (NMED) number. A list reflecting the status of open TARs in DRAT will be transmitted to the Regions and the other NMSS Divisions each week from IMNS. DRAT includes the title of the TAR, the Control Number, the due date, and the current Headquarters contact.

Before management signs and concurs on the TAR response, the Headquarters reviewer will e-mail the draft response to the Regional reviewer and management (Regional Branch Chief at a minimum) identified on the TAR to confirm that additional clarification is not needed and the Region has no specific concerns on the response. This e-mailing will occur after all technical concurrences have been obtained but before OGC's legal review and concurrence, or if there is no legal objection. If OGC fundamentally alters the TAR response, the revised draft response will be e-mailed again to the Region before IMNS management signature and concurrence. The concurrence page of the TAR response will reflect the date of Regional coordination. This effort is for informal coordination only and not for obtaining formal Regional concurrence. The Region should respond to the cognizant Headquarters staff with comments, including no comment, within two working days from the Headquarters e-mail date. If the Region has not responded within two working days, the response will be finalized and issued. The purpose of this policy is to avoid unnecessary delays. In cases where the Regional reviewer is away from the Regional Office, it is the responsibility of Regional management to either review the draft response and provide comments or to contact the Headquarters reviewer (or the reviewer's management) to negotiate an appropriate response date.

Distribution of TAR Responses

The TAR response, with all incoming documents, normally will be distributed electronically via ADAMS to a single point-of-contact in RI, RII, RIII, RIV, STP, TTC, and the Regulatory Product Development Center (RPDC). The point of contact for the Regions shall be the Director, DNMS, unless otherwise indicated. Further distribution will be made by the receiving offices.

If a division other than IMNS issues the response, the IMNS division secretary should be copied to close the action in DRAT. The DRAT ticket number should be identified on the distribution page to ensure accurate tracking and closure. If the TAR response grants an exemption or establishes a new policy for generic use, the chair of the IMNS Generic Assessment Panel (GAP) will be placed on electronic distribution. The chair of GAP is the IMNS Deputy Director.

TAR Responses for Generic Use

If the TAR response establishes a new policy that other reviewers are authorized to implement without further Headquarters review, the memo transmitting the response is signed by the Director, IMNS, and the term "GENERIC USE" will be inserted as a header on each page of the memo. Responses for generic use will typically include a statement that Regional staff may implement the policy without further coordination with Headquarters. These responses will be reviewed by GAP to determine the need for additional action (e.g., rulemaking, generic communication, etc.).

4.15 Processing Proprietary Information

Final NRC records and documents, including correspondence to and from NRC regarding licensing actions, are available to the general public, except under certain circumstances, as specified in 10 CFR 2.790. A reviewer may receive information from an applicant or licensee that is marked as "proprietary," "confidential," "restricted," or "is the express property of Company X." The reviewer will need to determine whether the information is necessary to the licensing action. If the information is not necessary, it should be returned to the applicant.

If the information is necessary, the reviewer needs to ensure that the applicant has submitted a formal request, in accordance with 10 CFR 2.790, for withholding the information. The reviewer needs to evaluate the applicant's request for withholding against the requirements in 10 CFR 2.790. (Appendix C includes a checklist for requests for withholding information from public disclosure). If the request is denied, in whole or in part, the reviewer needs to give the applicant the option of withdrawing the information or application. If the applicant decides not to withdraw the information or application, the reviewer needs to notify the applicant in writing that the request for withholding information from the public has been denied and that the reviewer will disregard any references concerning the proprietary status of the information. Sample letters are provided in Appendix D.

Any part of the application that the reviewer has determined should be withheld from public

disclosure should be handled in accordance with Management Directive 12.6, "NRC Sensitive Unclassified Information Security Program," and the applicant should be notified in writing that NRC plans to honor the request; however, the notification needs to inform the applicant that NRC may have cause to review the determination in the future, for example, if the scope of a Freedom of Information Act request includes the information.

Withholding from public inspection shall not affect the right, if any, of persons properly and directly concerned, to inspect the documents. If the need arises, NRC may send copies of this information to NRC consultants working in that area. NRC will ensure that the consultants have signed the appropriate agreements for handling proprietary information. In all review situations, if NRC needs additional information from the applicant or makes a determination adverse to the initial determination, the applicant will be notified in advance of any public disclosure.

4.16 License Termination

NUREG/BR-0241, "NMSS Handbook for Decommissioning Fuel Cycle and Materials Licenses," contains a listing of the regulatory guidance concerning decommissioning of facilities and termination of licenses. Appendix B of the Handbook contains a comprehensive list of NRC's decommissioning regulations and guidance⁽⁴⁾. NUREG-1575, "Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM)," provides an acceptable method for conducting a final radiation status survey for buildings and soil before terminating a license. The reviewer should refer to the appropriate guidance when reviewing requests for termination of a license. After verifying the disposition of licensed material and ensuring that a satisfactory closeout inspection and confirmatory survey were performed, if required, the reviewer should prepare a letter informing the licensee that the license has been terminated. NUREG/BR-0241 contains a sample letter that may be used by the staff to inform the licensee that the license has been terminated. In addition, the reviewer should prepare a termination license to be enclosed with the letter. As a final step in terminating the license, the reviewer should complete the "Materials License Termination/Retirement Form" contained in NUREG/BR-0241. Copies of the letter, terminated license, and retirement form should be maintained as OARs.

5 Fees

5.1 Introduction

Effective August 9, 1991, significant changes occurred to the regulations (10 CFR Parts 170 and 171) governing the licensing, inspection, and annual fees charged to applicants, licensees, and holders of certificates of compliance, registrations of sealed sources and devices, approvals of quality assurance programs, and other approvals. The revised regulations implemented the requirements of the Omnibus Budget Reconciliation Act of 1990, Public Law 101-508, which mandated that NRC recover approximately 100 percent of its budget.

NRC's current fee schedule is found in 10 CFR 170 ("Fees for Facilities, Materials, Import and

Export Licenses and Other Regulatory Services Under the Atomic Energy Act of 1954, As Amended") and 10 CFR Part 171 ("Annual Fees for Reactor Licenses and Fuel Cycle Licenses and Materials Licenses. . .")

For the majority of small materials license applications, there are flat application fees. These fees must accompany the application. NRC no longer charges amendment, renewal, or inspection fees under 10 CFR Part 170; however, as provided in Footnote 1(a) to 10 CFR 170.31, application fees are charged for amendment and renewal applications that would increase the scope of the existing license to a higher fee category or add a new fee category. NRC charges fees for amendments, renewals, or inspections for the "full cost" categories specified in 10 CFR Part 170. Fees for "full cost" categories are calculated using the applicable professional staff-hour rates identified in 10 CFR 170.20 for licensing and inspection and are billed on a quarterly basis for accumulated costs.

The majority of small materials licensees pay an annual fee. The basis for these charges is discussed in 10 CFR 171.16(b). Annual fees for new licenses are prorated based on the issue date of the license; however, when a request for possession-only, termination, downgrade, or decommissioning is filed, the annual fees are prorated based on the date the request is filed and the date the licensee permanently ceased the licensed activities.

The annual fees for most materials licenses are billed on the anniversary date of the license (licensees whose annual fees are \$100,000 or more are assessed quarterly). The annual fee assessed will be the fee in effect on the license anniversary date. The anniversary date of the materials license is considered to be the first day of the month in which the original materials license was issued. For example, if the original materials license was issued on June 17, then for annual fee purposes, the anniversary date of the material license is June 1, and the licensee will continue to be billed in June of each year for the annual fee in effect on June 1.

Procedures for processing fees have been developed in order to make the appropriate decisions regarding the licensees' liabilities for the fees and to assure that licensees receive the invoices for annual fees before the due date.

5.1.1 Procedures for Processing Fees

General Guidelines

1. In the interest of providing accurate, uniform, and legally correct information relating to fee policy, procedures, and requirements, and in order to minimize confusion, requests for specific annual or license fee information should be directed to OCFO.
2. When applications are received with checks or bank drafts, the LA should enter the action into the LTS. The LA should make two copies of the check. Next, the LA will endorse the original check by using a stamp and send it with a copy of the check, with the mail control number, or in the case of reciprocity the Agreement State License No., to the Mercantile Bank of St. Louis, Government Lockbox-NRC Lockbox #4514, P.O. Box 954514, St. Louis, MO 63195. The bank will deposit the check and forward the check copy to OCFO.

3. Applications received directly by OCFO will be promptly forwarded to the appropriate licensing staff.
4. In order to have the most up-to-date data on which to base the annual fee billings, the licensing staff should take necessary steps to complete termination, possession only, and downgrade requests as soon as possible.

Undeliverable Mail

1. The OCFO staff will make every effort to obtain valid addresses for invoices returned as undeliverable. In those instances where the file searches and telephone directory assistance are unsuccessful, OCFO will forward a copy of the invoices to the appropriate licensing staff for follow-up. The Licensing staff should promptly advise OCFO of the correct address or other pertinent information (e.g., licensee out of business, license to be terminated, etc.).
2. OCFO staff members will notify the licensing staff of any requests for address changes submitted as a result of the annual fee invoices, and addresses obtained through other means for undelivered invoices. It is hoped that, through these measures, documents returned as undeliverable mail will be minimized in future NMSS and OCFO mailings.

"Misclassification" of Licenses

To the extent possible, assertions by licensees and licensing staff that licenses are misclassified in fee category will be handled by OCFO; however, there will be instances where verification or clarification from the licensing staff is required. In such cases, OCFO will send a copy of the correspondence or provide an ADAMS session number to the appropriate licensing staff with an e-mail requesting assistance. Since the clarification or verification will be essential in determining the appropriate annual fee, the licensing staff should make every effort to respond by the due date given in the e-mail. OCFO will prepare the responses to the licensees and will assure that appropriate concurrences are obtained.

Processing Licensing Actions Prior to Fees Approval

It is current Agency policy not to delay the initial technical review process of materials license application, up to the point of issuance, pending the receipt of a fee; therefore, an application will be processed up to the point of issuance pending notification that the fee is paid.

Processing Reciprocity Applications (NRC Form 241)

See Section 3.2.10 for information regarding fees for Agreement State licensees requesting authorization to work in NRC jurisdiction.

5.1.2 OCFO Contacts

For Questions Relating to Fees For:	OCFO Contact:
Power reactors and non-power reactors	Ellen Poteat (301) 415-6392

Facility Inspection Fees	Ellen Poteat (301) 415-6392
Facility amendments, Topical Reports, Standard Plants, reactor operating licenses under review, reactor operator licensing exams	Ellen Poteat (301) 415-6392
Fuel Cycle, Low Level Waste, Transportation, Uranium Recovery, Topical Reports, Export/Import, Reciprocity licenses and applications, and all materials and fuel cycle inspections	Maurice Messier (301) 415-6087
Region I (CT, DC, DE, MA, MD, ME, NH, NJ, PA, RI, VT, Canada, Export, Import, Small Entity Certifications)	Brenda Brown (301) 415-6055
Region II (AL, FL, GA, KY, MS, NC, PR, SC, TN, VA, VI, WV, Reciprocity, Small Entity Certifications)	Shirley Crutchfield (301) 415-6097
Region III (IA, IL, IN, MI, MO, MN, OH, WI, Reciprocity, Small Entity Certifications)	Shirley Crutchfield (301) 415-6097
Region IV (AK, AR, AZ, CA, CO, HI, ID, KS, LA, MT, NE, ND, NM, NV, OK, OR, SD, TX, UT, WA, WY, Reciprocity, Small Entity Certifications)	Shirley Crutchfield (301) 415-6097
Fee Policy and Development	Glenda Jackson (301) 415-6057

All other inquiries relating to fees should be referred to Doug Weiss, (301) 415-7348. In addition, please add Ms. Jackson for concurrence on all correspondence containing references to the fee requirements or providing fee information.

5.2 Follow-up Actions for Orders Suspending and Revoking Licenses for Nonpayment

The purpose of this section is to provide guidance concerning procedures for coordinating with the Office of the Chief Financial Officer (OCFO) on orders suspending and revoking licenses for nonpayment of fees and subsequent actions when licenses are suspended for nonpayment of fees. An example of the Order, entitled "ORDER REVOKING LICENSE FOLLOWING IMMEDIATELY EFFECTIVE 30-DAY SUSPENSION" is provided in Appendix D. The precise

wording may vary depending on the circumstances of individual cases. This procedure applies to quality assurance approvals and sealed source and device registrations, but actions for these authorizations may deviate from these procedures. Separate orders for quality assurance approvals, sealed source and device registrations, and exempt distribution licenses are available to the licensing staff.

Guidance

1.	<p>Once a licensee has failed to respond to notices of payment due, the OCFO will prepare the Order and send it electronically to the Office of General Counsel (OGC) and to the responsible Division Director for concurrence. The Region will attempt to locate the licensee by telephone or other means to determine if it has received the notices of payment. For licenses issued by Headquarters (HQ), these and other communications will go to the Director of IMNS, DWM, the Spent Fuel Project Office (SFPO), or the Division of Fuel Cycle Safety and Safeguards (FCSS). The Division Director for HQ or the Region will respond in two weeks with any comments and/or concurrence. OCFO will, after receiving concurrence, issue the Order, sending it to the licensee by certified mail, and the ADAMS accession number of the signed copies of the Order will be sent electronically to the Director of the Division of Nuclear Materials Safety (for the Region) or the appropriate branch within IMNS, DWM, FCSS, or SFPO. Copies of draft and final orders will be sent by OCFO to the responsible Branch Chief and LA in the Region or Headquarters electronically. OCFO will provide copies or ADAMS accession numbers of any additional material upon request.</p>
2.	<p>Upon issuance of the Order, the OCFO will enter the "refusal to pay" flag in the LTS for this specific materials licensee to preclude any licensing actions being taken without first consulting with and getting approval from the OCFO. The OCFO staff member will enter a "Status 6," indicating that the license is suspended.</p>
	<p>Under the terms of the Order for Suspending and Revoking Licenses for Nonpayment of Fees,</p>
a.	<p>Licensees must immediately:</p>
	<p>i) Restrict activity involving licensed material to only decommissioning and safe, secure storage or transfer of material;</p>

		ii)	Continue to control entry into restricted areas until the licensee has determined and NRC has confirmed that such areas are suitable for release in accordance with NRC requirements.
	b.		If the licensee does not pay the debts due NRC within 30 days of the date of the Order, the license is revoked and the licensee must, within 30 days of the date of the Order:
		i)	Arrange for disposal of any licensed material, either by return to the manufacturer or transfer to an authorized recipient. Such disposal must take place within 60 days of the date of this Order. The licensee must notify the Regional Division Director or affected Headquarters Division Director, in writing, within five days of such disposal;

	ii)	Any licensee who is a manufacturer, distributor, or provider of services to other licensees must notify each customer or client in writing that authorization to provide any support has been revoked and that customers and clients may need to amend their licenses to be in compliance with NRC requirements;
	iii)	Conduct an adequate termination survey of the premises, as described in 10 CFR 30.36(j), 40.42(j), or 70.38(j), and report results of the survey in writing to the Regional Division Director or affected Headquarters Division Director;
	iv)	Submit a written report to the Regional Division Director or affected Headquarters Division Director on the status of materials.
		Upon the Regional Administrator's determination that the steps above have been satisfactorily completed, as necessary, the license will be terminated at a date specified by the Regional Administrator. If the licensee still owes fees, OCFO will continue to take action.
		Under the terms of the Order, any request for relaxation will be directed to the Chief Financial Officer (CFO). The CFO will coordinate action on the requests with the Regional Administrator or Headquarters Division Director and make a determination on any such request with the concurrence of the Regional Administrator or Headquarters Division Director.

3.	Thirty days after issuance of the Order, the OCFO will send a "Final Action" memorandum stating whether the license was revoked for nonpayment of fees or whether the licensee paid the invoice in full within the 30-day period, and therefore the Order is rescinded; the licensee submitted "good cause" for an extension of time or for relaxation or rescission; the licensee requested a hearing; or other basis that would stay the effectiveness of the Order, such as the Order not being delivered.
4.	If the Final Action is the revocation of the license, the OCFO will update the LTS by entering a "Status 5" indicating that the license is revoked. OCFO is working on a tracking system to identify delinquent debtors that have been previously written off as bad debt so that incoming applications can be matched to these debtors.
5.	The Region or Headquarters should contact the licensee 6-10 days after issuance of the Order to determine the status of the licensee's program, receipt of the Order, and its intentions relative to the Order. Depending on the licensee's response, the Region or Headquarters may need to schedule inspections and confirmatory surveys, as appropriate.
6.	Upon receipt of the Final Action memorandum from the OCFO indicating the debt has not been paid and the license is revoked for nonpayment of the fee, the Region should contact the licensee by phone promptly to determine the licensee's status and intentions with respect to compliance. If the licensee does not respond in writing within seven days of the phone call, the Region should arrange to conduct an inspection of the facility within 30 days.
7.	Licensees whose licenses have been revoked, and who subsequently pay the debt owed after the 30-day period provided in the Order, and who want to resume operation, should be advised that they must apply for a new license and pay the appropriate application fee. Unless these licensees apply for and are granted relaxation or rescission of the Order for good cause, such as evidence that there is some error of fact or law in the Order, the licensee must apply for a new license and pay any other outstanding debts to NRC. Licensees who choose not to decommission must pay delinquent debt and apply for a new license promptly to avoid enforcement action. The revoked license will be terminated simultaneously with the issuance of the new license.

Appendix A: List of Documents Considered in Development of this NUREG

This report incorporates and updates the guidance previously found in the Policy and Guidance Directives (PG) listed in Table A.1. The documents in Table A.1 are superseded (for IMNS program areas) and should not be used. Additional documents considered are listed after the

table.

Table A.1 Policy and Guidance Directives.

Document Identification	Title	Date
PG 0-02 (formerly FC 83-25)	Standardization of License Information in the Material Licensing Master File	8/1984
PG 0-03 (formerly FC 84-02)	Follow-up on Mail Returned from Licensees	6/1984
PG 0-04 (formerly FC 84-10)	Processing of Misdirected Materials Licensing Applications	4/1986
PG 0-05 (formerly FC 84-13)	Certification of Application Review for Materials Licenses	8/1984
PG 0-06 (formerly FC 84-19)	Preparation and Distribution of Material Licensing Documents	12/1984
PG 0-07 (formerly FC 85-15)	Availability, Security, and Integrity of Material License Files	9/1985
PG 0-09 (formerly FC 86-08)	LMS Possession Limit Database User's Guide	5/1986
PG 0-11 (formerly FC 95-05)	Updated Program Code Descriptions	10/1992
PG 0-12 (formerly FC 93-01)	Follow-up Actions for Orders Suspending Licenses for Nonpayment of Fees	11/1997
PG 0-13 (formerly FC 94-03)	Guidance to the Technical Staff on Responding to Inquiries from the Licensee Fee and Debt Collection Branch	4/1994
PG 0-14 (formerly FC 94-06)	Procedures for the Technical Review Process of Materials License Applications Prior to Fee Verification	11/1994

PG 1-01 (formerly FC 83-02)	Renewal of Materials Licenses	12/1999
PG 1-02 (formerly FC 83-10)	Follow-up on Expired Material Licenses	12/1983
PG 1-03 (formerly FC 83-11)	Deficiency Letters and Telephone Calls to Material License Applicants	8/1985
PG 1-04 (formerly FC 83-12)	Consideration of Allegations and Other Pending Matters in Licensing Actions	5/1983
PG 1-05 (formerly FC 83-15)	Responsibility for Review of License Applications	9/1983
PG 1-07 (formerly FC 83-20)	Standard License Conditions	3/1994
PG 1-08 (formerly FC 84-06)	Cover Letters for Material Licensing Actions	11/1992
PG 1-09 (formerly FC 84-09)	Licensing Visits for Byproduct Material Licensees	2/1989
PG 1-12 (formerly FC 84-20)	Impact of Revision of 10 CFR Part 51 on Material Licensing Actions (including supplement)	3/1994
PG 1-14 (formerly FC 89-03)	Criteria for Denying Applications for Material Licenses	6/1989
PG 1-15 (formerly FC 89-04)	Opportunity for an Informal Hearing on Any Materials Licensing Decision	7/1989
PG 1-16 (formerly FC 90-05)	Specific License Conditions for Reporting Requirements	9/1990
PG 1-17 (formerly FC 91-03)	Implementation of Final Revisions to 10 CFR Parts 170 and 171 on License, Inspection and Annual Fees	8/1991

PG 1-19 (formerly FC 94-01)	Issuance of "Deemed Timely" Letters for Materials Licensees	1/1994
PG 1-20 (formerly FC 94-04)	Identification of Licenses Where Significant Licensing Action Warrants an Onsite Inspection	6/1994
PG 1-22	Policy and Criteria for Initial Processing of Incoming Licensing Actions	4/1997
PG 1-23	Guidance for Multi-Site Licenses	4/1996
PG 1-24	Guidance for Oversight of Consolidated License for Syncor International Corporation	7/1996
PG 1-26 (formerly FC 84-12)	Processing of Exemptions for Material Licensees	7/1997
PG 9-01 (formerly FC 83-05)	Listing of State Health Official Contacts	4/1991
PG 9-02 (formerly FC 83-06)	Materials Safety Conference Calls	12/1985
PG 9-03 (formerly FC 83-07)	Material Licensing Workshops	6/1985
PG 9-07 (formerly FC 85-13)	Use of Coordinators for Certain Federal Organizations	8/1999
PG 9-11 (formerly FC 93-02)	Technical Assistance Requests Related to Material Licensees	7/1997

Additionally, the following documents were considered during the preparation of this guidance:

1. Memorandum from Donald A. Cool to A. Randolph Blough, et. al., dated July 10, 1997, withdrawing PG 1-18 (formerly FC 92-04), "Issuance of New Licenses for Material Use Programs."
2. Memorandum from Donald A. Cool to A. Randolph Blough, et. al., dated November 24, 1997, regarding the addition of exemption request data fields to the Licensing Tracking System (transmittal memo for PG 1-22).

3.	Information Notice 94-47, "Accuracy of Information Provided to NRC During the Licensing Process," issued June 21, 1994.
4.	Memorandum from Donald A. Cool to Charles W. Hehl, et. al., dated May 26, 1995, regarding the distribution of NRC licenses to Agreement States.
5.	NMSS Policy and Procedures Letter 1-30, "Availability, Security, and Integrity of Material License Files," September 1999.
6.	NMSS Policy and Procedures Letter 1-48, "Procedures for Preparing Environmental Assessments," May 1995
7.	NMSS Policy and Procedures Letter 1-50, Rev. 2, "Environmental Justice in NEPA Documents," September 1999.
8.	NMSS Policy and Procedures Letter 1-55, Rev. 1, "Policy and Criteria for Initial Processing of Incoming Licensing Actions," April 1997.
9.	NMSS Policy and Procedures Letter 1-58, "Processing of Exemptions for Material Licensees and Certificate Holders," August 1997.
1	Inspection Manual Chapter 1220, "Processing of NRC Form 241 and Inspection of
0.	Agreement State Licensees Operating Under 10 CFR 150.20," issued September 8, 1997.

Appendix B: Forms

B.1 Materials License Form (NRC Form 374)

Materials License Form (NRC Form 374)	
Pages	Title
2	NRC Form 374 (PDF Format)

B.2 Registration Certificate for *In Vitro* Testing Under General Licenses (NRC Form 483)

Registration Certificate for <i>In Vitro</i> Testing Under General Licenses (NRC Form 483)	
Pages	Title
1	NRC Form 483 (PDF Format)

B.3 Registration Certificate for Use of Depleted Uranium Under General License (NRC Form 244)

Registration Certificate for Use of Depleted Uranium Under General License (NRC Form 244)

Pages	Title
1	NRC Form 244 (PDF Format)

B.4 Request for a Sealed Source or Device Evaluation (NRC Form 567)

B.4 Request for a Sealed Source or Device Evaluation (NRC Form 567)	
Pages	Title
1	NRC Form 567 (PDF Format)

B.5 Regional Technical Assistance Request Form

Regional Technical Assistance Request Form	
Pages	Title
1	Regional Technical Assistance Request Form (PDF Format)

B.6 Sample Technical Assistance Request Response

Sample Technical Assistance Request Response	
Pages	Title
1	Sample Technical Assistance Request Response (PDF Format)

Appendix C: Checklists

C.1 Renewal - Performance Evaluation Checklist

Pages	Title
1	Renewal - Performance Evaluation Checklist (PDF Format)

C.2 Renewal - Limited Review Checklist

Pages	Title
1	Renewal - Limited Review Checklist (PDF Format)

C.3 New and Renewal - License Term Checklist

Pages	Title
1	<u>New and Renewal - License Term Checklist</u> (PDF Format)

C.4 Checklist for Requests to Withhold Information from Public Disclosure

Pages	Title
1	<u>Checklist for Requests to Withhold Information from Public Disclosure</u> (PDF Format)

C.5 Checklist for Determining When Significant Licensing Action Has Taken Place That May Require An Additional Onsite Inspection

Pages	Title
1	<u>Checklist for Determining When Significant Licensing Action Has Taken Place That May Require An Additional Onsite Inspection</u> (PDF Format)

Appendix D: Sample Letters

D.1 Administrative Correspondence

D.1.1 Sample of License Expiration Letter

[Date]	
[Licensee Name] [Licensee Address]	License No. [Number] Docket No. [Number] Expiration Date: [Date] Program Code: [Number]

Gentlemen:

SUBJECT:	NOTICE OF LICENSE EXPIRATION
T:	

Your U.S. Nuclear Regulatory Commission (NRC) license, specified above, will expire on the date shown. If you wish to continue your licensed program, you should prepare and submit a renewal application on NRC Form 313, "Application for Material License," following the instructions in the enclosed volume of NUREG-1556. If the application reflects any significant changes in your licensed program, those changes must be clearly indicated.

You must submit an application for the renewal of your license at least 30 days before the expiration date on the license. If your renewal application is filed (delivered or postmarked) before the expiration date, NRC will use discretion and your license will remain in effect until NRC takes final action on your application.

However, if your renewal application cannot be filed before the expiration date, you should contact NRC immediately to see if you can obtain a temporary extension of the expiration date. Without NRC approval of that extension request, your license expires on the expiration date stated on the license. If your license expires, you no longer have a valid license, but you are required to maintain all licensed materials in safe, locked storage until your application for a license or request for termination is submitted and approved. Use of the licensed material after the expiration of your license may subject you to criminal and/or civil sanctions.

If you do not wish to renew your license, you must dispose of or transfer all licensed radioactive material in your possession in an authorized manner (see the appropriate requirements in 10 CFR 30.36, 40.42, or 70.38); then complete the enclosed NRC Form 314, "Certificate of Disposition of Materials," and return it before the expiration date of your license, with a request that your license be terminated. If you cannot dispose of or transfer all licensed radioactive material in your license before the expiration date, you must request a license renewal, for storage-only, of the radioactive material, to avoid enforcement action for violations involving the possession of licensable material without a valid license. Enforcement action may include a substantial monetary civil penalty that could also include daily civil penalties until you achieve compliance.

In accordance with 10 CFR 2.790 of NRC's "Rules of Practice," a copy of this letter and its enclosures will be available electronically for public inspection in NRC's Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC web site at <http://www.nrc.gov/NRC/ADAMS/index.html> (the Public Electronic Reading Room).

This notice of your license expiration is sent for your convenience only and does not mean that similar notices will be sent in the future. The responsibility for timely submission of the license renewal remains with the licensee. If you have any questions about this notice or license expiration/renewal, please contact the NRC Regional Office that handles your license.

Enclosures:

1. NRC Form 313
2. NRC Form 314

3. (10 CFR Parts determined by program code)
4. (NUREG -1556, Volume/s determined by program code)
5. (Other appropriate documents determined by program code)

D.1.2 Acceptance Review - Sample Acknowledgment Letter/Postcard

Pages	Title
3	Acceptance Review - Sample Acknowledgment Letter/Postcard (PDF Format)

D.1.3 Acknowledgment Letter for NRC Form 244 and 483 Requests

[INSERT DATE]

[INSERT NAME]

[INSERT ADDRESS]

SUBJECT: NRC FORM [244 or 483] REQUEST

[INSERT SALUTATION]:

[USE THE FOLLOWING FOR NEW FORMS:]

Enclosed is your validated NRC Form [244, "Registration Certificate - Use of Depleted Uranium Under General License," or 483, "Registration Certificate - *In Vitro* Testing With Byproduct Material Under General License,"] dated [DATE]. You have been issued registration no. [NUMBER].

[USE THE FOLLOWING FOR REVISED FORMS:]

Enclosed is your validated NRC Form [244, "Registration Certificate - Use of Depleted Uranium Under General License," or 483, "Registration Certificate - *In Vitro* Testing With Byproduct Material Under General License,"] dated [DATE], reflecting the requested change [brief description of change]. You have retained registration no. [NUMBER].

Please be advised that a general license is valid indefinitely; therefore, there is no renewal process. However, the regulations under 10 CFR [31.11 or 40.25] require that any change in the information provided by a registrant on the initial registration certificate be reported to the Director of Nuclear Material Safety and Safeguards within 30 days from the effective date of such change. I have enclosed a blank form for your use in reporting any future changes. Please reference your registration number when you report changes.

In accordance with 10 CFR 2.790 of NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in NRC's Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system

(ADAMS). ADAMS is accessible from the NRC web site at <http://www.nrc.gov/NRC/ADAMS/index.html> (the Public Electronic Reading Room).

Please contact me at [INSERT PHONE NUMBER] if I can be of any further assistance.

Sincerely,
[INSERT WRITER'S IDENTIFICATION]

Enclosures:

1. Certificate [NUMBER]
2. Blank Form

D.1.4 Letter for Follow-Up On Returned Mail

[INSERT DATE]

[INSERT NAME & ADDRESS]

SUBJECT: [INSERT APPROPRIATE DESCRIPTIVE TEXT]

[INSERT SALUTATION]:

This letter concerns your byproduct material license issued by the U.S. Nuclear Regulatory Commission (NRC), identified below. Correspondence sent to the address on your license has been returned to us unopened. We have found through telephone contacts or other sources that you can be reached at the above address.

Please be advised that you must notify us of changes in your mailing address and/or location of licensed radioactive material. We would appreciate it if you would review your current license and confirm whether it correctly reflects your mailing address and locations of radioactive material. If there are changes, you should immediately submit an amendment request to: [INSERT APPROPRIATE NRC OFFICE ADDRESS].

If we do not hear from you within 30 days, we plan to turn your files over to our Inspection Branch for appropriate review.

In accordance with 10 CFR 2.790 of NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in NRC's Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC web site at <http://www.nrc.gov/NRC/ADAMS/index.html> (the Public Electronic Reading Room).

Thank you for your cooperation.

Sincerely,
[WRITER'S IDENTIFICATION]

Docket No.: **[INSERT NUMBER]**

License No.: **[INSERT NUMBER]**

D.2 Deficiency Correspondence

D.2.1 Sample Deficiency Letter

[INSERT DATE]

[INSERT NAME AND ADDRESS]

SUBJECT: [INSERT APPROPRIATE DESCRIPTIVE TEXT]

[INSERT SALUTATION]:

We have reviewed your letter dated **[INSERT DATE OF SUBMITTAL]**. Before we can take further action, we will need the following additional information.

1. [DESCRIBE THE DEFICIENCY AND INCLUDE A CLEAR STATEMENT SPECIFYING THE INFORMATION NEEDED]

In accordance with 10 CFR 2.790 of the U.S. Nuclear Regulatory Commission's (NRC) "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in NRC's Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC web site at <http://www.nrc.gov/NRC/ADAMS/index.html> (the Public Electronic Reading Room).

To continue review of your application, we request that you submit your response to this letter within 30 calendar days from the date of this letter. Please reply in duplicate and refer to the license, docket, and control number specified below. If you have questions or require clarification on any of the information stated above, we encourage you to contact us at **[INSERT THE APPROPRIATE PHONE NUMBER]**

Sincerely,
[INSERT WRITER'S IDENTIFICATION]

Docket No.: [INSERT NUMBER]
License No.: [INSERT NUMBER]
Control No.: [INSERT NUMBER]

D.2.2 Confirmation of Deficiency Telephone Call

[INSERT DATE]

[INSERT NAME & ADDRESS]

SUBJECT: [INSERT APPROPRIATE DESCRIPTIVE TEXT]

[INSERT SALUTATION]

This is to confirm our telephone conversation on [INSERT DATE] with [INSERT NAME], in which we discussed the information we need to continue review of your application dated [INSERT DATE]. The items specified below are those we discussed:

- 1.
2. (EACH ITEM SHOULD BE SIMPLE AND EXPRESSED IN ONE LINE.)
- 3.

In accordance with 10 CFR 2.790 of the U.S. Nuclear Regulatory Commission's (NRC) "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in NRC's Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC web site at <http://www.nrc.gov/NRC/ADAMS/index.html> (the Public Electronic Reading Room).

[USE THE FOLLOWING TEXT FOR NEW APPLICATIONS AND AMENDMENTS]

If we do not receive a reply from you within 30 calendar days from the date of this letter, we shall assume that you do not wish to pursue your application.

[USE THE FOLLOWING TEXT FOR RENEWALS]

If we do not receive your reply within 30 calendar days from the date of this letter, it may be necessary to deny your application for license renewal and to terminate your license. This action would require you to divest yourself of all licensed material in your possession.

Sincerely,

[WRITER'S IDENTIFICATION]

Docket No.: [INSERT NUMBER]
License No.: [INSERT NUMBER]
Control No.: [INSERT NUMBER]

D.3 Final Action Correspondence

D.3.1 Materials License Cover Letter for Licensing Actions, Except Terminations

[INSERT DATE]

[INSERT NAME AND ADDRESS]

SUBJECT: [INSERT APPROPRIATE DESCRIPTIVE TEXT - NEW LICENSE, LICENSE AMENDMENT, LICENSE RENEWAL]

[INSERT SALUTATION]:

Please find enclosed Amendment No. [INSERT NUMBER] to NRC License No. [INSERT LICENSE NUMBER] or please find enclosed License No. [INSERT LICENSE NUMBER] authorizing [INSERT AUTHORIZATION]. You should review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please contact the U.S. Nuclear Regulatory Commission (NRC), Regional Office [NAME, PHONE NUMBER, AND E-MAIL ADDRESS].

[THE FOLLOWING DISCUSSION MAY BE OMITTED FOR AMENDMENTS.]

NRC expects licensees to conduct their programs with meticulous attention to detail and high standard of compliance. Because of the serious consequences to employees and the public that can result from failure to comply with NRC requirements, you must conduct your radiation safety program according to the condition of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

1. Operate in accordance with NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers; Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Notify NRC in writing of any change in mailing address.
3. In accordance with 10 CFR 30.36(d), notify NRC, promptly, in writing, and request termination of the license:
 - a) When you decide to terminate all activities involving materials authorized under the license; or
 - b) If you decide not to acquire or possess and use authorized material.

- | |
|--|
| 4. Request and obtain a license amendment before you: |
| a) Change Radiation Safety Officers; |
| b) Order byproduct material in excess of the amount, radionuclide, or form authorized on the license; |
| c) Add or change the areas of use or address(es) of use identified in the license application or on the license; or |
| d) Change the name or ownership of your organization. |
| 5. Submit a complete renewal application or termination request at least 30 days before the expiration date of your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of byproduct material after your license expires is a violation of NRC regulations. |

In addition, please note that NRC Form 313 requires the applicant, by signature, to verify that the applicant understands that all statements contained in the application are true and correct to the best of the applicant's knowledge. The signatory for the application should be the licensee or certifying official rather than a consultant.

You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC may result in enforcement action against you. This could include issuance of a notice of violation, or imposition of a civil penalty, or an order suspending, modifying, or revoking your license as specified in NUREG-1600, "General Statement of Policy and Procedure for NRC Enforcement Actions" (Enforcement Policy).

In accordance with 10 CFR 2.790 of NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in NRC's Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC web site at <http://www.nrc.gov/NRC/ADAMS/index.html> (the Public Electronic Reading Room).

Thank you for your cooperation.

Sincerely,
[INSERT WRITER'S IDENTIFICATION]

Docket No.: **[INSERT NUMBER]**
 License No.: **[INSERT NUMBER]**
 Control No.: **[INSERT NUMBER]**

Enclosure: As stated

D.3.2 Temporary Exemption from NRC Regulation or License Condition

[INSERT DATE]

[INSERT NAME AND ADDRESS]

SUBJECT: TEMPORARY EXEMPTION TO U.S. NUCLEAR REGULATORY COMMISSION
T: (NRC) [REGULATION OR LIST THE SPECIFIC LICENSE CONDITION(S)]

[INSERT SALUTATION]

Pursuant to the written request dated [date of request] for temporary exemption(s) from the requirements of [NRC regulation or license condition] by [name and position of requestor representing the licensee], the following temporary exemption(s) is (are) granted for the specified period of time:

[Each temporary exemption granted should be listed separately with documentation of the circumstances surrounding the request and the duration of time for which the exemption is granted.]

In accordance with 10 CFR 2.790 of NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in NRC's Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC web site at <http://www.nrc.gov/NRC/ADAMS/index.html> (the Public Electronic Reading Room).

If your understanding of the above temporary exemption differs from that set forth above, you are to notify [contact] immediately, at [telephone number].

[INSERT NAME], Director
Division of Nuclear Materials Safety

Docket No: [INSERT NUMBER]

License No.: [INSERT NUMBER]

Control No.: [INSERT NUMBER]

D.4 Enforcement Correspondence

D.4.1 "Warning" of Denial for Applications for Renewal

[INSERT DATE]

[INSERT NAME AND ADDRESS]

SUBJECT: [INSERT APPROPRIATE DESCRIPTIVE TEXT]

[INSERT SALUTATION]

This refers to our letter dated **[INSERT DATE]**, a copy of which is enclosed, which requested information about your application dated **[INSERT DATE]**, for renewal of License No. **[INSERT NUMBER]**. As of this date, we have not received a reply from you. If we do not receive your reply within thirty (30) calendar days from the date of this, our second letter, it may be necessary to deny your application for license renewal and to terminate your license. This action would require you to divest yourself of all licensed material in your possession.

In accordance with 10 CFR 2.790 of the U.S. Nuclear Regulatory Commission's (NRC) "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in NRC's Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC web site at <http://www.nrc.gov/NRC/ADAMS/index.html> (the Public Electronic Reading Room).

Sincerely,
[INSERT WRITER'S IDENTIFICATION]

Docket No.: **[INSERT NUMBER]**
License No.: **[INSERT NUMBER]**
Control No.: **[INSERT NUMBER]**

Enclosure: As stated

D.4.2 Letter Denying Application for Renewal

[INSERT DATE]

[INSERT NAME AND ADDRESS]

SUBJECT: [INSERT APPROPRIATE DESCRIPTIVE TEXT]

[INSERT SALUTATION]

This refers to our letters dated **[INSERT DATE]** and **[INSERT DATE]**, concerning your application dated **[INSERT DATE]** for renewal of License No. **[INSERT NUMBER]**. We have not received a reply from you; therefore, pursuant to 10 CFR 2.108, the U.S. Nuclear Regulatory Commission (NRC) staff intends to deny your application for renewal of License No. **[INSERT NUMBER]** for failure to supply information. A Notice of Proposed Denial of Application and Order Modifying License is enclosed.

If you do not request a hearing within 30 days of the date of the enclosed order, your renewal application is denied. In such event, you must divest yourself of licensed material presently

possessed and follow the enclosed order which requires you to comply with 10 CFR 30.36(d) and (e).

In accordance with 10 CFR 2.790 of NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in NRC's Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC web site at <http://www.nrc.gov/NRC/ADAMS/index.html> (the Public Electronic Reading Room).

Enclosed are the NRC guidelines for decontamination of your facility and equipment. Upon completion of your facility decontamination survey and transfer of materials, NRC may conduct inspections and independent surveys of your facility to verify compliance with 10 CFR 30.36(d) and (e).

Sincerely,
[INSERT WRITER'S IDENTIFICATION]

Docket No.: **[INSERT NUMBER]**
License No.: **[INSERT NUMBER]**
Control No.: **[INSERT NUMBER]**

Enclosure: As stated

D.4.3 Order Denying an Application for License Renewal

**UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION**

In the Matter of)	
)	Docket No. [INSERT NUMBER]
[LICENSEE])	
[City, State])	License No. [INSERT NUMBER]

NOTICE OF PROPOSED DENIAL OF APPLICATION
AND ORDER MODIFYING LICENSE

I.

[NAME OF LICENSEE] (Licensee) is holder of Materials License No. **[INSERT NUMBER]** issued by the Nuclear Regulatory Commission (NRC or Commission) pursuant to 10 CFR Part _____. The license authorizes possession of certain material **[HERE DISCUSS MORE**

FULLY THE NATURE OF THE LICENSE AND LICENSEE’S ACTIVITIES]. The license, originally issued on (date), was due to expire by its terms on **[INSERT DATE]**. On **[INSERT DATE]**, the Licensee submitted a timely renewal application. The effect of the renewal application was to extend the term of License No. **[INSERT NUMBER]** pursuant to 10 CFR 2.109 until the Nuclear Regulatory Commission (NRC) made a final determination with respect to the renewal application.

II.

[This section should provide a description of relevant events, facts, violations, technical or legal reasons that provide the substantive basis for issuing the Order. The following example is provided as a sample discussion for this section.]

[In reviewing the renewal application, the NRC staff determined that additional information was necessary, and consequently, on **[INSERT DATE OF LETTER]** and **[INSERT DATE OF SECOND LETTER]**, the NRC staff requested additional information from the Licensee. The Licensee has not replied to those requests.]

III.

[This section should provide the justification for issuing the Order, in light of the facts described in Section II. This section should also describe how the violation or careless disregard adversely affects public health and safety.]

Consequently, pursuant to 10 CFR 2.108, I intend to deny the Licensee’s renewal application for failure to supply information.

IV.

Accordingly, pursuant to sections **[INSERT 53, 63, OR 81]** 161b, 161i, 161o, 182 and 186 of the Atomic Energy Act of 1954, as amended, and the Commission’s regulations in 10 CFR 2.202 and 10 CFR Part____, IT IS HEREBY ORDERED THAT:

A	Authorization under License No. [INSERT NUMBER] to receive, possess, and use licensed material, except as indicated below, is terminated.
B	Within 30 days of the effective date of this order, the Licensee shall:
1	Remove radioactive contamination to the extent practicable;
2	Transfer all licensed material to an authorized recipient or otherwise properly dispose of byproduct material;
3	Submit a completed NRC Form 314;
4	Submit a radiation survey report in accordance with 10 CFR 30.36(j)(2);
5	Submit records required by 10 CFR 30.51(d) and (f).

The Regional Administrator, Region____, may, in writing, relax or rescind any of the above conditions upon demonstration by the Licensee of good cause.

V.

In accordance with 10 CFR 2.202, the Licensee must, and any other person adversely affected by this Order may, submit an answer to this Order, and may request a hearing on this Order, within 30 days of the date of this Order. Where good cause is shown, consideration will be given to extending the time to request a hearing. A request for extension of time must be made in writing to the Director, Office of Enforcement, U.S. Nuclear Regulatory Commission, Washington, DC 20555, and include a statement of good cause for the extension. The answer may consent to this Order. Unless the answer consents to this Order, the answer shall, in writing, and under oath or affirmation, specifically admit or deny each allegation or charge made in this order and set forth the matters of fact and law on which the Licensee or other person adversely affected relies and the reasons as to why the Order should not have been issued. Any answer or request for a hearing shall be submitted to the Secretary, U.S. Nuclear Regulatory Commission, ATTN: Rulemakings and Adjudications Staff, Washington, DC 20555. Copies also shall be sent to the Director, Office of Enforcement, U.S. Nuclear Regulatory Commission, Washington, DC 20555, to the Assistant General Counsel for Hearings and Enforcement, U.S. Nuclear Regulatory Commission, Washington, DC 20555, to the Regional Administrator, NRC Region____, **[INSERT ADDRESS]**, and to the Licensee, if the answer or hearing request is by a person other than the Licensee. If a person other than the Licensee requests a hearing, the person shall set forth with particularity the manner in which his interest is adversely affected by this Order and shall address the criteria set forth in 10 CFR 2.714(d).

If a hearing is requested by the Licensee or a person whose interest is adversely affected, the Commission will issue an Order designating the time and place of any hearing. If a hearing is held, the issue to be considered at such hearing shall be whether this Order should be sustained.

In the absence of any request for a hearing, or written approval of an extension of time in which to request a hearing, the provisions specified in Section IV above shall be effective and final 20 days from the date of this Order without further order or proceedings. If an extension of time for requesting a hearing has been approved, the provisions specified in Section IV shall be final when the extension expires, if a hearing request has not been received.

	FOR THE NUCLEAR REGULATORY COMMISSION
	_____ Deputy Executive Director for Regulatory Effectiveness

Dated at Rockville, Maryland

this ___ day of _____ 2000

D.4.4 Order Revoking License for Nonpayment of Fees

[DATE]

UNITED STATES
NUCLEAR REGULATORY COMMISSION

In the Matter of)	
)	Docket No.[NUMBER]
[LICENSEE NAME])	License No.[NUMBER]
[LICENSEE ADDRESS])	

ORDER REVOKING LICENSE FOLLOWING
IMMEDIATELY EFFECTIVE 30-DAY SUSPENSION

I.

[LICENSEE NAME] [Licensee] is the holder of Materials License No. [NUMBER], issued by the Nuclear Regulatory Commission (NRC or Commission) pursuant to the Atomic Energy Act of 1954, as amended, that authorizes the activities stated therein. The license has an expiration date of [DATE].

II.

Pursuant to 10 CFR 171.16, the Licensee is required to pay an annual fee for this license. The Licensee's annual fee for License No. [NUMBER] for Fiscal Year [YEAR], as set forth in fee category [CATEGORY] of 10 CFR 171.16(d), is \$ [ANNUAL FEE]. In accordance with 10 CFR Part 15, the Licensee was sent an original invoice dated [DATE], a second notice dated [DATE], and a final notice dated [DATE], requesting payment. The final notice of payment due specifically informed the Licensee that nonpayment of the fee may result in the suspension or revocation of the license in accordance with the enforcement provisions of the Commission's regulations, namely, 10 CFR 171.23. To date, the annual fees(s) have not been paid as required by 10 CFR Part 171. This Order suspends License No. [NUMBER], as explained below. If the fee and any other delinquent debts to NRC are paid within 30 days of the date of issuance of this Order, this Order will be withdrawn and the Licensee will be permitted to resume operations under License No. [NUMBER], if all other requirements are met. If the Licensee does not pay all debts within 30 days of the date of issuance of this Order, the license will be revoked by the terms of this Order and the Licensee will, in the future, not be able to operate under License No. [NUMBER]. If the former Licensee wants to resume operations after revocation of the license, the former Licensee will have to pay all debts to NRC and apply for and be issued a new license.

III.

I have concluded that the Licensee has willfully violated NRC requirements. In addition, prior notice of the violation and an opportunity to achieve compliance was provided. Therefore, pursuant to 10 CFR 2.202, I find that the violation requires that this Order be immediately effective. In view of the foregoing and pursuant to Sections **[INSERT 53, 63, OR 81]**, 161b, 161c, 161i, 161o, 182, and 186 of the Atomic Energy Act of 1954, as amended, and the Commission's regulations in 10 CFR 2.202, 170.41, 171.23, and 10 CFR Part 30, IT IS HEREBY ORDERED, EFFECTIVE IMMEDIATELY, THAT:

- | | |
|----|--|
| A | License No. [NUMBER] is suspended for 30 days from the date of issuance of this Order with respect to receipt and use of licensed nuclear materials. If, within this 30-day period, the Licensee does not pay all debts due to NRC, the license will automatically be revoked, effective 30 days from the date of issuance of this Order. During the time that the license is suspended, and after license revocation, the license remains in effect, pursuant to 10 CFR [30.36; 40.42; or 70.38], with respect to the possession, transfer, and storage of licensed nuclear material remaining in the Licensee's possession, as contamination or in other forms, until the Commission notifies the Licensee in writing that the license is terminated. |
| B | Until notified by the Commission in writing that the license is terminated, the Licensee shall: |
| 1. | Restrict activity involving licensed nuclear material to decommissioning and safe, secure storage or transfer of material; and |
| 2. | Continue to control entry into restricted areas until the Licensee has determined and NRC has confirmed that such areas are suitable for release in accordance with NRC requirements. |
| C | Unless full payment is made, the Licensee shall, within 30 days from the date of this Order, arrange for disposal or transfer to an authorized recipient of any licensed nuclear material acquired or possessed under the authority of License No. [NUMBER] and shall take all actions required by 10 CFR [30.36; 40.42; or 70.38]. Such disposal must take place within 60 days of the date of this order. |
| D | Within 5 days after disposal of the material, the Licensee shall notify, in writing, the Director, Division of Nuclear Material Safety, for NRC Region [NUMBER] , at [ADDRESS] , of the disposition of all licensed nuclear material acquired or possessed under the authority of License No. [NUMBER] , including in the written notice details as to how, where, and when disposition of the material took place. |

E.	Within 30 days from the date of this Order, if the Licensee manufactures, distributes, or provides services to other licensees, the Licensee must notify, in writing, each customer or client that authorization to provide any of these services has been suspended. Furthermore, the Licensee must notify its customers and clients that they may need to amend their licenses to be in compliance with NRC requirements if their license specifically states reliance on the service of the Licensee. The Licensee must provide the Director, Division of Nuclear Material Safety, for NRC Region [NUMBER] at [ADDRESS] evidence of the notification and a list of customers or clients notified.
F.	Within 65 days of the date of this Order, the Licensee shall conduct an adequate final radiation survey of the premises where the licensed activities were carried out, pursuant to 30.36(j), 40.42(j), or 70.38(j), and submit a written report of the results of this survey to the Director, Division of Nuclear Material Safety, for NRC Region [NUMBER], [ADDRESS].
G.	Within 30 days of the date of this Order, the Licensee shall submit a written report to the Director, Division of Nuclear Material Safety, for NRC Region [NUMBER] at [ADDRESS] that includes: (1) a listing of all materials disposed of, transferred, or still in the possession of the Licensee; (2) a description of the conditions of storage of retained material and actions being taken to control access to the material; and (3) for any material not disposed of or transferred, a description of the actions taken to attempt to dispose of or transfer the material and why those actions were unsuccessful.
H.	The License shall be terminated upon satisfaction of the requirements of 10 CFR [30.36; 40.42; or 70.38].
I.	After the license is revoked, the former Licensee may not resume previously-licensed operations until:
1.	The former Licensee has applied for and been issued a new license under 10 CFR [30; 40; 70]; and
2.	All debts to NRC, including the fee for the new license, have been paid in full

The Chief Financial Officer may relax or rescind, in writing, any of the above conditions upon a showing by the Licensee of good cause. A request for modification of the above conditions shall be submitted to the Chief Financial Officer, with a copy to the Director, Division of Nuclear Material Safety, NRC Region [NUMBER], in writing and under oath or affirmation, and must be received within 30 days from the date of issuance of this Order.

IV.

In accordance with 10 CFR 2.202, the Licensee must, and any other person adversely affected by this Order may, submit an answer to this Order, and may request a hearing on this Order. This answer must be received by the Office of the Chief Financial Officer within 30 days of the date of this Order.

Where good cause is shown, consideration will be given to extending the time to request a hearing. A request for extension of time must be made in writing to the Chief Financial Officer and include a statement of good cause for the extension.

The answer shall be in writing and under oath or affirmation, and it shall specifically admit or deny each allegation or charge made in this Order. The answer shall set forth the matters of fact and law on which the Licensee or other person adversely affected relies and the reasons as to why this Order should not have been issued. Any answer or request for hearing shall be submitted to the Secretary, U.S. Nuclear Regulatory Commission, ATTN: Rulemakings and Adjudications Staff, Washington, DC 20555. Copies shall also be sent to the Chief Financial Officer, U.S. Nuclear Regulatory Commission, Washington, DC 20555; the Assistant General Counsel for Hearings and Enforcement at the same address; the Regional Administrator, NRC Region [NUMBER], [ADDRESS]; and to the Licensee if the answer or hearing request is by a person other than the Licensee. If a person other than the Licensee requests a hearing, that person shall set forth with particularity the manner in which his or her interest is adversely affected by this Order and shall address the criteria set forth in 10 CFR 2.714(d).

If the Licensee or a person whose interest is adversely affected requests a hearing, the Commission will issue an Order designating the time and place of any hearing. If a hearing is held, the issue to be considered at such hearing shall be whether this Order should be sustained.

Pursuant to 10 CFR 2.202(c)(2)(i), the Licensee, or any other person adversely affected by this Order may, in addition to demanding a hearing, at the time the answer is filed or sooner, move the presiding officer to set aside the immediate effectiveness of the Order on the ground that the Order, including the need for immediate effectiveness, is not based on adequate evidence but on mere suspicion, unfounded allegations, or error. The motion must state with particularity the reasons why the order is not based on adequate evidence and must be accompanied by affidavits or other evidence relied on.

V.

In the absence of any request for hearing, or written approval of an extension of time in which to request a hearing, this Order shall be final 30 days from the date of this Order without further order or proceedings. If an extension of time for requesting a hearing has been approved, the provisions specified in Part III shall be final when the extension expires, if a hearing request has not been received. AN ANSWER OR REQUEST FOR HEARING SHALL NOT STAY THE IMMEDIATE EFFECTIVENESS OF THIS ORDER.

VI.

In lieu of filing an answer to the Order, the Licensee may pay the total amount specified below. This amount must be received by the Office of the Chief Financial Officer within 30 days of the date of this Order. This Order is withdrawn if, within 30 days of the date of this Order, the Office of the Chief Financial receives the total amount specified below:

<u>Amounts Due</u>				
Calculated Through:				
<u>Invoice Date</u>	<u>Invoice Number</u>	<u>Amount Billed</u>	<u>Late Charges Due</u>	<u>Amount Due</u>

1.					
2.					
3.					
				Total Amount	\$ _____

The total amount listed above is a delinquent debt to the United States. Failure to pay the total amount within 30 days of the date of this Order may, pursuant to 10 CFR Part 15, result in referral of the delinquent debt to a collection agency, referral to the U.S. General Accounting Office or the U.S. Department of Justice for collection, or other action deemed appropriate. Pursuant to 10 CFR 15.29, the Commission may not consider an application for a license from the Licensee unless all previous delinquent debts of the Licensee to NRC, including the delinquent debt(s) identified in this Order, have been paid in full. In addition, failure to meet the requirements of this Order may subject the Licensee and its agents to civil penalties and criminal sanctions.

	FOR THE NUCLEAR REGULATORY COMMISSION
	Chief Financial Officer

Dated at Rockville, Maryland

this _____ day of _____, 2000

D.5 Reciprocity Correspondence

D.5.1 Reciprocity Procedures Letter

[INSERT DATE]

[INSERT NAME & ADDRESS]

SUBJECT: RECIPROCITY PROCEDURES

[INSERT SALUTATION]:

Agreement State licensees [licensees] seeking to conduct activities under reciprocity in areas of exclusive Federal jurisdiction, non-Agreement States, or in offshore waters (reciprocity activities), for the first time in a calendar year, must submit the following:

- NRC Form 241, "Report of Proposed Activities in Areas of Exclusive Federal Jurisdiction, Non-Agreement States, and Offshore Waters" (see Enclosure 1);
- One copy of the Agreement State specific license; and
- The fee, either check or credit card application, specified in fee Category 16 of 10 CFR 170.31 (see Enclosure 2).

The U.S. Nuclear Regulatory Commission (NRC) must receive this filing at least 3 days before the licensee engages in activities permitted under the General License established by 10 CFR 150.20 (provided on NRC Form 241 for convenience). Licensees cannot perform work in areas of exclusive Federal jurisdiction without either: (a) filing NRC Form 241 for reciprocity in accordance with 10 CFR 150.20(b); or (b) applying for a specific NRC license.

This general license authorizes persons holding a specific license from an Agreement State to conduct the same activity in areas of exclusive Federal jurisdiction, non-Agreement States, or in offshore waters, if the specific license issued by the Agreement State does not limit the authorized activity to specified locations or facilities. Under the general license, licensees conducting reciprocity activities, including storage (usage), are limited to a total of 180 days in any calendar year. Reciprocity activities conducted in offshore waters are not subject to the 180-day limit. NRC tracks reciprocity usage on the basis of approved usage days and will not approve any activity, under the general license, that causes the total usage days to exceed 180 days. It is important that licensees track the days of use and clarify or delete dates of work when applicable.

NUREG-1556, Vol. 19, "Guidance for Agreement State Licensees about Reporting Activities in Areas of Exclusive Federal Jurisdiction, Non-Agreement States, and Offshore Waters," contains guidelines to follow in filing NRC Form 241. It also contains important information to help licensees ensure that they are complying with NRC regulations before conducting activities under reciprocity. This document is available at the following Internet address:

<<http://www.nrc.gov/NRC/NUREGS/SR1556/V19/index.html>>.

Agreement State licensees operating under reciprocity in areas of NRC jurisdiction must conduct activities involving radioactive materials in accordance with the conditions specified in the licensee's Agreement State license, representations made in NRC Form 241, and other rules, regulations, and orders of NRC, now or hereafter in effect. NRC will perform inspections of activities by Agreement State licensees operating under a general license pursuant to 10 CFR 150.20. These inspections may occur at the listed work site location(s) or at the home office address. Failure to comply with these regulations or to conduct your radiation safety program in compliance with NRC regulations before operating under reciprocity may result in NRC enforcement action(s) against the licensee. Such actions could include the issuance of a notice of violation, the proposed imposition of a civil penalty, or an order suspending, modifying, or revoking the license as specified in NUREG-1600, "General Statement of Policy and Procedures

for NRC Enforcement Actions." This document is available at the following Internet address:

<http://www.nrc.gov/OE/rpr/oe_4.htm>.

For your information and use in filing for reciprocity, I have enclosed a copy of NRC Form 3 (see Enclosure 3). [Any other regulations, information notices, or other information being enclosed should be described here.] NRC's regulations, such as 10 CFR Parts 19, 20, 30, 34, 35, 39, 50, 71, are available on NRC's web site at www.nrc.gov. If you do not have access to the Internet and require a copy of an NRC document, please contact our office at **[INSERT ADDRESS]**.

In accordance with 10 CFR 2.790 of NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in NRC's Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC web site at <http://www.nrc.gov/NRC/ADAMS/index.html> (the Public Electronic Reading Room).

If you have any questions about the regulations or the application process, please feel free to contact me at **[INSERT PHONE NUMBER]**.

	Sincerely,
	[INSERT WRITER'S IDENTIFICATION]

Enclosures:

1. NRC Form 241
2. 10 CFR Part 170
3. NRC Form 3

D.5.2 Acknowledgment Letter for Form 241 Submittals

[INSERT DATE]

[INSERT NAME & ADDRESS]

SUBJECT: NRC FORM 241

[INSERT SALUTATION]:

Enclosed is the U.S. Nuclear Regulatory Commission's (NRC) signature copy signifying our review of your NRC Form 241 dated **[date]**, to report [proposed/revised/clarified] licensed activities in NRC jurisdiction, under the authority of the general license pursuant to 10 CFR 150.20 (reciprocity).

Changes to the initial NRC Form 241 for additional work locations or clients, or for changes to the radioactive material, or work activities different from the information submitted on the initial NRC Form 241, are considered revisions and do require a [amount] fee. Changes or deletions to the initial NRC Form 241 of specific locations or work sites, work site contacts, or dates of work are considered clarifications, not revisions, and do not require a fee.

A Location Reference Number has been entered on your NRC Form 241 and should be used for reference on subsequent revisions or clarifications.

Please be advised that, as an Agreement State licensee authorized by general license to perform licensed activities in areas of NRC jurisdiction, you must conduct your reciprocity activities in accordance with the representations specified in your NRC Form 241 and other rules, regulations, and orders of NRC, now or hereafter in effect.

[For radiography licensees, add the following:]

Specifically, you must comply with 10 CFR Part 34, "LICENSES FOR RADIOGRAPHY AND RADIATION SAFETY REQUIREMENTS FOR RADIOGRAPHIC OPERATIONS." These regulations were revised, effective June 27, 1997, to make the requirements more understandable to licensees. Additionally, several major changes were made in the regulations to improve both the quality and the safety of industrial radiography. These changes include (but are not limited to):

- | | |
|----|--|
| 1. | NRC has adopted mandatory certification requirements for industrial radiographers. Radiographers are now required to be certified through a radiographer certification program by a certifying entity in accordance with the criteria specified in Appendix A of 10 CFR Part 34. This requirement became effective June 27, 1999. NRC recognizes the American Society for Nondestructive Testing, Inc. (ASNT) as a Certifying Entity. The following Agreement States also administer certification programs as Certifying Entities: Georgia, Illinois, Iowa, Louisiana, Nevada, North Dakota, and Texas. |
| 2. | Survey meter calibration frequency changed from 3 months to 6 months. (<i>Note:</i> If your Agreement State license is more restrictive, you must comply with your Agreement State license.) |
| 3. | Leak testing devices containing depleted uranium (DU) for DU contamination is required at 12-month intervals. |
| 4. | An additional qualified individual, who is at least an assistant radiographer and who must observe the activities, is required when performing radiography operations. |
| 5. | A job performance inspection program is required where each individual is evaluated at 6-month intervals. |
| 6. | After each exposure, a performance-based radiation survey is required when approaching the device or guide tube to ensure that the source is shielded. |

In addition, please note that as of January 10, 1996, all radiographic exposure devices and associated equipment must comply with 10 CFR 34.20.

[INSERT ADDITIONAL PARAGRAPHS AS NECESSARY]

In accordance with 10 CFR 2.790 of NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in NRC's Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC web site at <http://www.nrc.gov/NRC/ADAMS/index.html> (the Public Electronic Reading Room).

If you have questions concerning this action or other aspects of working in NRC jurisdiction under reciprocity, please contact me at **[INSERT PHONE NUMBER]**.

	Sincerely,
	[INSERT WRITER'S IDENTIFICATION]

Enclosure(s): As stated

D.6 Withholding Correspondence

D.6.1 Agreement with Request to Withhold Information from Public Disclosure

[INSERT DATE]

[INSERT NAME & ADDRESS]

SUBJECT: REQUEST FOR WITHHOLDING INFORMATION CONTAINED ON [APPLICATION, LETTER, FORM] FROM PUBLIC DISCLOSURE

[INSERT SALUTATION]:

By [Application, Letter, Form] from [Licensee's Name] dated [date], and affidavit dated [date], you submitted [proprietary, confidential] material consisting of [brief description, e.g., personal, or client information] and requested that it be withheld from public disclosure pursuant to 10 CFR 2.790. This letter is our response to your request.

You stated that the submitted information should be considered exempt from public disclosure for the following reasons:

- 1.
- 2.

We have reviewed your application and the material in accordance with the requirements of 10 CFR 2.790 and, on the basis of your statements, have determined that the submitted information sought to be withheld does contain [proprietary, confidential] information. Therefore, the [brief description of information to be withheld] contained in [application, letter, form], marked as [proprietary, confidential] will be withheld from public disclosure pursuant to 10 CFR 2.790(b)(5) and Section 103(b) of the Atomic Energy Act of 1954, as amended. Your request for withholding will be maintained by Region [number] indefinitely.

Withholding documents from public inspection shall not affect the right, if any, of persons properly and directly concerned to inspect the documents. If the need arises, we may send copies of this information to our consultants working in this area. We will, of course, ensure that the consultants have signed the appropriate agreements for handling proprietary information.

If the basis for withholding this information from public inspection should change in the future such that the information could then be made available for public inspection, you should promptly notify the U.S. Nuclear Regulatory Commission (NRC). You should understand that NRC may have cause to review this determination in the future (e.g., if the scope of a Freedom of Information Act request includes your information). In all review situations, if NRC makes a determination adverse to the decision above, you will be notified in advance of any public disclosure.

If you have any questions concerning this action, please feel free to contact me at **[INSERT PHONE NUMBER]**.

Sincerely,
[INSERT WRITER'S IDENTIFICATION]

Docket No.: **[INSERT NUMBER]**
License No.: **[INSERT NUMBER]**
Control No.: **[INSERT NUMBER]**

D.6.2 Disagreement with Request to Withhold Information from Public Disclosure

[INSERT DATE]

[INSERT NAME & ADDRESS]

SUBJECT:	REQUEST FOR WITHHOLDING INFORMATION CONTAINED ON
T:	[APPLICATION, LETTER OR FORM] FROM PUBLIC DISCLOSURE

[INSERT SALUTATION]:

By [Application, Letter, Form] from (Licensee's Name) dated [date], and affidavit dated [date], you submitted [proprietary, confidential] material consisting of [brief description, e.g., personal or client information] and requested that it be withheld from public disclosure pursuant to 10 CFR 2.790. This is our response to your request.

We have reviewed your [application, letter, form] and the material in accordance with the requirements of 10 CFR 2.790 and, for the following reasons, have determined that the submitted information, in whole or in part, sought to be withheld, does not contain proprietary information.

- 1.
- 2.

Therefore, we have determined that the material, specifically [brief description] should be released for public disclosure. In accordance with 10 CFR 2.790(c), this information is being forwarded to you as notice that the information will be made available to the public within 30 days of the date of this letter. If within that time you request withdrawal of these documents in accordance with 10 CFR 2.790(c), or provide additional reasons for the withholding of information, your request will be considered in light of applicable statutes and regulations and a determination made as to whether the documents should be withheld from public disclosure or returned to you.

Withholding documents from public inspection shall not affect the right, if any, of persons properly and directly concerned to inspect the documents. If the need arises, we may send copies of this information to our consultants working in this area. We will, of course, ensure that the consultants have signed the appropriate agreements for handling proprietary information.

If the basis for withholding this information from public disclosure should change in the future such that the information could then be made available for public inspection, you should promptly notify the U.S. Nuclear Regulatory Commission (NRC). You should understand that NRC may have cause to review this determination in the future (e.g., if the scope of a Freedom of Information Act request includes your withheld information). In all review situations, if NRC makes a determination adverse to the above, you will be notified in advance of any public disclosure.

If you have any questions concerning this action, please feel free to contact me at **[INSERT PHONE NUMBER]**.

Sincerely,
[INSERT WRITER'S IDENTIFICATION]

Docket No.: **[INSERT NUMBER]**
License No.: **[INSERT NUMBER]**
Control No.: **[INSERT NUMBER]**

D.6.3 Partial Agreement with Request to Withhold Information from Public Disclosure

[INSERT DATE]

[INSERT NAME & ADDRESS]

SUBJECT: REQUEST FOR WITHHOLDING INFORMATION CONTAINED ON
T: [APPLICATION, LETTER, FORM] FROM PUBLIC DISCLOSURE

[INSERT SALUTATION]:

By [application, letter, form] from [Licensee's Name] dated [date], and affidavit dated [date], you submitted [proprietary, confidential] material consisting of [brief description, e.g., personal or client information] and requested that it be withheld from public disclosure pursuant to 10 CFR 2.790. This is our response to your request.

We have reviewed your application and the material in accordance with the requirements of 10 CFR 2.790 and, on the basis of your statements, have determined that only certain information contained in [application, letter, form] is [proprietary, confidential].

The [brief description] information contained in [application, letter, form], marked as [proprietary, confidential] does contain [proprietary, confidential] information and will, therefore, be withheld from public disclosure pursuant to 10 CFR 2.790(b)(5) and Section 103(b) of the Atomic Energy Act of 1954, as amended. Your request for withholding will be maintained by Region [number] indefinitely.

We have also determined that, for the following reason(s), the information contained in [application, letter, form] does not contain proprietary information.

- 1.
- 2.

Therefore, the [brief description] contained in [application, letter, form] should be released for public disclosure. In accordance with 10 CFR 2.790(c), this information is being forwarded to you as notice that the information will be made available to the public 30 days from the date of this letter. If within that time you request withdrawal of these documents in accordance with 10 CFR 2.790(c), or provide additional reasons for the withholding of information, your request will be considered in light of applicable statutes and regulations and a determination made as to whether the documents should be withheld from public disclosure or returned to you.

Withholding documents from public inspection shall not affect the right, if any, of persons properly and directly concerned to inspect the documents. If the need arises, we may send copies of this information to our consultants working in this area. We will, of course, ensure that the

consultants have signed the appropriate agreements for handling proprietary information.

If the basis for withholding this information from public disclosure should change in the future such that the information could then be made available for public inspection, you should promptly notify the U.S. Nuclear Regulatory Commission (NRC). You should understand that NRC may have cause to review this determination in the future (e.g., if the scope of a Freedom of Information Act request includes your withheld information). In all review situations, if NRC makes a determination adverse to the above, you will be notified in advance of any public disclosure.

If you have any questions concerning this action, please feel free to contact me at **[INSERT PHONE NUMBER]**.

Sincerely,

[INSERT WRITER'S IDENTIFICATION]

Docket No.: **[INSERT NUMBER]**

License No.: **[INSERT NUMBER]**

Control No.: **[INSERT NUMBER]**

Appendix E: Standard License Conditions

GENERAL INFORMATION

The recordkeeping requirements of certain license conditions must receive clearance from the Office of Management and Budget (OMB) prior to use. Licensing staff should not use the recordkeeping portion of condition nos. 22, 23, 26, 32, 132, 133, 164, or 165.I until notified that OMB clearance has been obtained.

To maintain consistency throughout NRC, reviewers should use standard conditions to the maximum extent possible. Proposed revisions to standard conditions or proposed special conditions should be coordinated with NMSS before use.

In addition, before issuing a license with non-standard conditions, reviewers should coordinate with the inspection staff and licensees to ensure that all parties have the same understanding of all license conditions, especially any conditions unique to a particular licensee. The cover letter accompanying the licensing package should identify and bring the licensee's attention to any unique conditions on the license.

E.1 Location of Use

1. Licensed material may be used or stored only at the licensee's facilities located at **[insert address]**.

2.	Licensed material may be used or stored at the licensee's facilities located at [insert address] and at temporary job sites of the licensee anywhere in the United States.
[Reviewer Note: This condition should only be used for Federal agencies.]	
3.	Licensed material may be used or stored at the licensee's facilities located at [insert address] and may be used at temporary job sites of the licensee anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material, including areas of exclusive Federal jurisdiction within Agreement States.
If the jurisdiction status of a Federal facility within an Agreement State is unknown, the licensee should contact the Federal agency controlling the job site in question to determine whether the proposed job site is an area of exclusive Federal jurisdiction. Authorization for use of radioactive materials at job sites in Agreement States not under exclusive Federal jurisdiction shall be obtained from the appropriate state regulatory agency.	
[Reviewer Note: This condition does NOT allow storage at temporary job sites.]	
4.	Licensed material may be used or stored [incident to mobile nuclear medicine activities] at the licensee's facilities located at [insert address] and may be used or stored at temporary job sites of the licensee anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material, including areas of exclusive Federal jurisdiction within Agreement States.
If the jurisdiction status of a Federal facility within an Agreement State is unknown, the licensee should contact the Federal agency controlling the job site in question to determine whether the proposed job site is an area of exclusive Federal jurisdiction. Authorization for use of radioactive materials at job sites in Agreement States not under exclusive Federal jurisdiction shall be obtained from the appropriate state regulatory agency.	
[Reviewer Note: This condition allows storage at temporary job sites, provided the licensee has submitted acceptable procedures for storage at temporary job sites. If used on a mobile nuclear medicine license, include first bracketed phrase.]	
5.	Licensed material may be used only at temporary job sites of the licensee anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material, including areas of exclusive Federal jurisdiction within Agreement States.
If the jurisdiction status of a Federal facility within an Agreement State is unknown, the licensee should contact the Federal agency controlling the job site in question to determine whether the proposed job site is an area of exclusive Federal jurisdiction. Authorization for use of radioactive materials at job sites in Agreement States not under exclusive Federal jurisdiction shall be obtained from the appropriate state regulatory agency.	
[Reviewer Note: This condition is used when permanent storage is not authorized on the license, i.e., permanent storage is in an Agreement State.]	
6.	A. Radioactive material shall be stored only at the licensee's facilities located at [insert addresses] .
B. Radioactive material may be stored/used only at the following:	
(i) Field stations(s): [insert addresses] .	

	(ii)Permanent radiographic installation(s): [insert addresses] .
	(iii)Temporary Job Sites: Anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material, including areas of exclusive Federal jurisdiction within Agreement States.
	If the jurisdiction status of a Federal facility within an Agreement State is unknown, the licensee should contact the Federal agency controlling the job site in question to determine whether the proposed job site is an area of exclusive Federal jurisdiction. Authorization for use of radioactive materials at job sites in Agreement States not under exclusive Federal jurisdiction shall be obtained from the appropriate state regulatory agency.
	[Reviewer Note: For use only on radiography licenses.]
7.	The licensee may distribute only from its facilities located at [insert locations] .
	[Reviewer Note: For use only on distribution licenses.]

E.2 Supervision - General

8.	Licensed material shall be used by, or under the supervision of, [insert name(s)] .
9.	Licensed material shall be used by, or under the supervision and in the physical presence of, [insert name(s)] .
10.	Licensed material shall be used only by [insert name(s)] .
11.	(RESERVED)
12.	(RESERVED)
13.	(RESERVED)

E.3 Supervision - Limited Medical

14.	Licensed material is only authorized for use by, or under the supervision of:										
A.	Individuals permitted to work as an [authorized user, authorized nuclear pharmacist, and/or authorized medical physicist] in accordance with 10 CFR 35.13 and 35.14.										
B.	The following individuals are authorized users for the materials and uses indicated:										
	<table border="1"> <thead> <tr> <th><u>Authorized Users</u></th> <th><u>Material and Use</u></th> </tr> </thead> <tbody> <tr> <td>O</td> <td></td> </tr> <tr> <td>R</td> <td></td> </tr> <tr> <td>B.</td> <td>Authorized user: [insert name and authorized use].</td> </tr> <tr> <td>C.</td> <td>Authorized nuclear pharmacist: [insert name].</td> </tr> </tbody> </table>	<u>Authorized Users</u>	<u>Material and Use</u>	O		R		B.	Authorized user: [insert name and authorized use] .	C.	Authorized nuclear pharmacist: [insert name] .
<u>Authorized Users</u>	<u>Material and Use</u>										
O											
R											
B.	Authorized user: [insert name and authorized use] .										
C.	Authorized nuclear pharmacist: [insert name] .										

D	Authorized medical physicist: [insert name] .
	[Reviewer Note: Use the appropriate paragraph(s) for the license. Delete the ones that are not applicable.]

E.4 Supervision - Broad - Medical

1 5.	The use of licensed material in or on humans shall be by an authorized user as defined in 10 CFR 35.2.
1 6.	Individuals designated to work as authorized users [or authorized nuclear pharmacists] , as defined in 10 CFR 35.2, shall meet the training, experience, and recentness of training criteria established in 10 CFR Part 35, and shall be designated, in writing, by the licensee's Radiation Safety Committee.
	[Reviewer Note: Conditions 15 and 16 are used together.]
1 7.	Licensed material for other than human use shall be used by or under the supervision of individuals designated by the Radiation Safety Committee.
	[Reviewer Note: This condition should only be used for Type A broad scope <i>medical</i> licenses.]
1 8.	Individuals designated to work as medical physicists for [teletherapy or high dose rate (HDR) brachytherapy or gamma stereotactic surgery] shall meet the training and experience criteria established in 10 CFR 35.961 [(substituting similar experience in HDR brachytherapy-specific tasks for those listed in 10 CFR 35.961(c))] ; or be named on a current U.S. Nuclear Regulatory Commission or Agreement State license, or a permit issued under a broad scope license as a medical physicist for [teletherapy or high dose rate (HDR) brachytherapy or gamma stereotactic surgery] ; and shall be designated, in writing, by the Radiation Safety Committee. In addition, the physicist must meet the recentness of training requirement in 10 CFR 35.972 and have recent, device-specific training and experience for each make and model of [teletherapy or HDR brachytherapy or gamma stereotactic surgery] device used by the licensee.
	[Reviewer Note: Delete references as appropriate.]

E.5 Supervision - Pacemaker

1 9.	The physicians responsible for follow-up, explanation, and return of nuclear-powered pacemakers to the manufacturer for proper disposal are [insert name(s)] .
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E.6 Supervision - Radiopharmacy

2 0.	Licensed material shall be used by, or under the supervision of:
A	A pharmacist working or designated as an authorized nuclear pharmacist in accordance with 10 CFR 32.72(b)(2)(i) or (4).
B	Authorized Nuclear Pharmacists: [insert name(s)] .

- 2 Pharmacists, as defined in 10 CFR 35.2, designated in writing to work as authorized nuclear
 1. pharmacists by the licensee's Radiation Safety Committee, shall meet the requirements in 10 CFR 32.72(b)(2)(iii) or meet the training and experience criteria in 10 CFR 35.980 and 35.972. *[Exceptions may be made on a case-by-case basis in accordance with the procedures described in the letter(s) dated [insert date].]* The licensee shall maintain records of individuals designated as users for 3 years after the individuals's last use of radioactive material.

[Reviewer Note: This condition authorizes a radiopharmacy to name its own authorized nuclear pharmacists, and it requires coordination with NMSS.]

E.7 Supervision - Broad - Non-medical

- 2 Licensed material shall only be used by, or under the supervision of, individuals designated,
 2. in writing, by the Radiation Safety Committee. The licensee shall maintain records of individuals designated as users for 3 years after the individual's last use of licensed material.

[Warning: Do not use the recordkeeping portion of this condition until notified that OMB clearance has been obtained.]

[Reviewer Note: Authorized user for Type A Broad License.]

- 2 Licensed material shall be used by or under the supervision of individuals designated, in
 3. writing, by the Radiation Safety Officer. The licensee shall maintain records of individuals designated as users for 3 years after the individual's last use of licensed material.

[Warning: Do not use the recordkeeping portion of this condition until notified that OMB clearance has been obtained.]

[Reviewer Note: Authorized user for Type B Broad License.]

- 2 Licensed material shall be used by or under the supervision of individuals meeting the
 4. requirements stated in 10 CFR 33.15(b).

[Reviewer Note: Authorized user for Type C Broad License.]

E.8 Supervision - Portable Gauges

- 2 Licensed material shall be used by, or under the supervision and in the physical presence of,
 5. individuals who have received the training described in the **[application/letter]** dated **[insert date(s)]**.

E.9 Supervision - Fixed Gauges and Self-shielded Irradiators

- 2 Licensed material shall be used by, or under the supervision of, individuals who have
 6. received the training described in **[letter, application]** dated **[insert date]**. The licensee shall maintain records of individuals designated as users for 3 years following the last use of licensed material by the individual.

[Warning: Do not use the recordkeeping portion of this condition until notified that OMB clearance has been obtained.]

E.10 Supervision - Radiography

2	Licensed material shall be used by, or under the supervision and in the physical presence of,
7.	individuals who have been designated in writing by the Radiation Safety Officer and have been trained:
A.	As specified in the application/letter dated [insert date] ; and
B.	In accordance with the provisions of 10 CFR 34.43.
	[Reviewer Note: Use only for applicants that provide qualifications of each individual rather than commit to a complete training program.]
2	(RESERVED)
8.	

E.11 Supervision - Well Logging

2	The individuals listed below are the only persons authorized by this license to act as logging			
9.	supervisors or logging assistants as defined in 10 CFR 39.2:			
	<table border="1"><tr><td><u>Logging Assistants</u></td><td><u>Logging Supervisors</u></td><td></td></tr></table>	<u>Logging Assistants</u>	<u>Logging Supervisors</u>	
<u>Logging Assistants</u>	<u>Logging Supervisors</u>			
3	(RESERVED)			
0.				
3	(RESERVED)			
1.				

E.12 Supervision - Part 36 Irradiators

3	Licensed material shall be used by, or under the supervision of, individuals who have
2.	satisfactorily completed the training and examination described in the application dated [insert date] and have been designated, in writing, by the Radiation Safety Officer. The licensee shall maintain records of individuals as users for 3 years following the last use of licensed material by the individual.
	[Warning: Do not use the recordkeeping portion of this condition until notified that OMB clearance has been obtained.]

E.13 Radiation Safety Officer

3	The Radiation Safety Officer for this license is [insert name] .
3.	
3	(RESERVED)
4.	
3	(RESERVED)
5.	

3 (RESERVED)

6.

E.14 Tie-down

3 Except as specifically provided otherwise in this license, the licensee shall conduct its
7. program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

A.

B. (Documents should be listed chronologically)

C.

[Reviewer Note: Use for all licenses except medical.]

3 Except as specifically provided otherwise in this license, the licensee shall conduct its
8. program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below, except for minor changes in the medical use radiation safety procedures as provided in 10 CFR 35.31. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

A.

B. (Documents should be listed chronologically.)

[Reviewer Note: This condition should only be used for medical licensees.]

3 (RESERVED)

9.

4 (RESERVED)

0.

4 (RESERVED)

1.

E.15 Gas Chromatographs

4 Maintenance, repair, cleaning, replacement, and disposal of foils contained in detector cells
2. shall be performed only by the device manufacturer or other persons specifically authorized by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.

4 A. Detector cells containing a titanium tritide foil or a scandium tritide foil shall only be used
3. . in conjunction with a properly operating temperature control mechanism that prevents the foil temperature from exceeding that specified in the certificate of registration issued by NRC pursuant to 10 CFR 32.210 or the equivalent regulations from an Agreement State.

B. When in use, detector cells containing a titanium tritide foil or a scandium tritide foil shall be vented to the outside.

	[Reviewer Note: Condition B should not be used with portable field devices.]
4	(RESERVED)
4.	
4	(RESERVED)
5.	
4	(RESERVED)
6.	

E.16 FEMA

4	A	Each sealed source containing licensed material to be used outside of a shielded exposure
7.	.	device shall have a durable, legible, and visible tag permanently attached by a durable ring. The tag shall be at least 1 inch square, shall bear a conventional radiation symbol prescribed in 10 CFR 20.1901 (a), and a minimum of the following instructions: DANGER - RADIOACTIVE MATERIAL - DO NOT HANDLE - NOTIFY CIVIL AUTHORITIES IF FOUND.
	B	Replacement of tags and rings shall be carried out by the licensee in accordance with instructions contained in procedures provided by the Federal Emergency Management Agency.
4		(RESERVED)
8.		
4		(RESERVED)
9.		

E.17 Portable Gauges

5		Each portable nuclear gauge shall have a lock or outer locked container designed to prevent
0.		unauthorized or accidental removal of the sealed source from its shielded position. The gauge or its container must be locked when in transport or storage, or when not under the direct surveillance of an authorized user.
5		The licensee may detach the source or source rod from gauges for the purpose of cleaning,
1.		maintenance, or repair of the gauge(s) in accordance with procedures outlined in [letter, application] dated [insert date] .
		[Reviewer Note: This condition is used if the licensee is authorized to perform non-routine maintenance.]
5		Any cleaning, maintenance, or repair of the gauge(s) that requires detaching the source or
2.		source rod from the gauge shall be performed only by the manufacturer or by other persons specifically licensed by the Commission or an Agreement State to perform such services.
		[Reviewer Note: This condition is used if the licensee is <i>not</i> authorized to perform non-routine maintenance.]

5 3.	Sealed sources or source rods containing licensed material shall not be opened or sources removed or detached from source rods or gauges by the licensee, except as specifically authorized.
5 4.	A. If the licensee uses unshielded sealed sources extended more than 3 feet below the surface, the licensee shall use a surface casing that extends from the lowest depth to 12 inches above the surface and other appropriate procedures to reduce the probability of the source or probe becoming lodged below the surface. If it is not feasible to extend the casing 12 inches above the surface, the licensee shall implement procedures to ensure that the cased hole is free of obstruction before making measurements.
	B. If a sealed source or a probe containing a sealed source becomes lodged below the surface and it becomes apparent that efforts to recover the sealed source or probe may not be successful, the licensee shall notify the U.S. Nuclear Regulatory Commission and submit the reports required by 10 CFR 30.50(b)(2) and (c). The licensee shall not abandon the sealed source or probe without obtaining the Commission's <i>prior</i> written consent.
	[Reviewer Note: May use this condition on portable gauge licenses if the probe can be inserted into the ground to a depth of greater than 3 feet.]

E.18 Radiography

5 5.	A. Notwithstanding the periodic leak test required by 10 CFR 34.27(c)(1) and (e), the requirement does not apply to radiography sources that are stored and not being used. The sources excepted from this test shall be tested for leakage before use or transfer to another person. No sealed source shall be stored for a period of more than 3 years without being tested for leakage and/or contamination.
	B. The licensee is authorized to analyze leak test samples in accordance with the [application/letter] dated [insert date] .
5 6.	The licensee is authorized to conduct source retrieval activities in accordance with the application/letter dated [insert date] .
	[Reviewer Note: This condition should only be used if the licensee meets the criteria for source retrieval activities in NUREG-1556, Vol. 2.]
5 7.	(RESERVED)
5 8.	Notwithstanding the requirements of 10 CFR 34.20(a) and (c)(2), and pursuant to 10 CFR 34.51, the licensee may use its [insert Manufacturer and Model number] exposure device in accordance with procedures contained in letter/application dated [insert date] .
	[Reviewer Note: The above condition requires coordination with NMSS. See Section 4.13.]

E.19 Well Logging

5 9.	(RESERVED)
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6	Notwithstanding the periodic leak test required by 10 CFR 39.35, the requirement does not
0.	apply to sources, except sources containing plutonium, that are stored and not being used. The sources exempted from this periodic test shall be tested for leakage before use or transfer to another person. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
6	The licensee shall not vacate or release to unrestricted use a field office or storage location
1.	whose address is identified in Condition [insert condition number] , without prior NRC approval.
6	(RESERVED)
2.	
6	The opening, repair, or modification of any Energy Compensation Source must be performed
3.	by persons specifically approved to do so by the Commission or an Agreement State.

E.20 Fixed Gauge

6	A	Each gauge shall be tested for the proper operation of the on-off mechanism (shutter) and
4.	.	indicator, if any, at intervals not to exceed 6 months or at such longer intervals as specified in the certificate of registration issued by NRC pursuant to 10 CFR 32.210 or the equivalent regulations of an Agreement State.
	B	Notwithstanding the periodic on-off mechanism (shutter) and indicator test, the requirement does not apply to gauges that are stored, not being used, and have the shutter lock mechanism in a locked position. The gauges exempted from this periodic test shall be tested before use.
6		The following services shall not be performed by the licensee: installation, initial radiation
5.		surveys, relocation, removal from service, dismantling, alignment, replacement, disposal of the sealed source, and non-routine maintenance or repair of components related to the radiological safety of the gauge (i.e., the sealed source, the source holder, source drive mechanism, on-off mechanism (shutter), shutter control, shielding). These services shall be performed only by persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
		[Reviewer Note: Use when licensee is NOT authorized to perform any services on the gauges.]
6	A	[Insert which services are authorized in this license, delete remaining:] Installation,
6.	.	initial radiation surveys, relocation, removal from service, dismantling, alignment, replacement, disposal of the sealed sources, and non-routine maintenance or repair of components related to the radiological safety of the gauge] shall be performed only by [insert name(s)] , or other individuals who have completed the training specified in [insert application/letter date] or by persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.

	<p>B. The following services shall <i>not</i> be performed by the licensee: [Insert which services are NOT authorized in this license, delete remaining:] Installation, initial radiation surveys, relocation, removal from service, dismantling, alignment, replacement, disposal of the sealed sources, and non-routine maintenance or repair of components related to the radiological safety of the gauge]. These services shall be performed only by persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.</p>
<p>[Reviewer Note: Part A of this condition is used to specify which non-routine operations may be performed by a licensee. Part B of the condition is used to specify which non-routine operations a licensee is NOT authorized to perform. If the licensee may perform all listed operations, use only Part A of the condition.]</p>	
6	<p>The licensee may initially mount a gauge, if permitted by the certificate of registration issued</p>
7.	<p>by the U.S. Nuclear Regulatory Commission or an Agreement State, and under the following conditions:</p>
A.	<p>The gauge must be mounted in accordance with written instructions provided by the manufacturer.</p>
B.	<p>The gauge must be mounted in a location compatible with the "Conditions of Normal Use" and "Limitations and/or Other Considerations of Use" in the certificate of registration issued by NRC or an Agreement State.</p>
C.	<p>The on-off mechanism (shutter) must be locked in the off position, if applicable, or the source must be otherwise fully shielded.</p>
D.	<p>The gauge must be received in good condition (i.e. the package was not damaged).</p>
E.	<p>The gauge must not require any modification to fit in the proposed location.</p>
<p>Mounting does <i>not</i> include electrical connection, activation, or operation of the gauge. The source must remain fully shielded, and the gauge may not be used until it is installed and made operational by a person specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such operations.</p>	
6	<p>Prior to initial use and after installation, relocation, dismantling, alignment, or any other</p>
8.	<p>activity involving the source or removal of the shielding, the licensee shall assure that a radiological survey is performed to determine radiation levels in accessible areas around, above, and below the gauge with the shutter open. This survey shall be performed only by persons authorized to perform such services by the U.S. Nuclear Regulatory Commission or an Agreement State.</p>
6	<p>The licensee shall operate each device containing licensed material, within the manufacturer's</p>
9.	<p>specified temperature and environmental limits such that the shielding and shutter mechanism of the source holder are not compromised.</p>

7	10.	The licensee shall assure that the shutter mechanism, for each device containing licensed material, is locked in the closed position during periods when a portion of an individual's body may be subject to the direct radiation beam. The licensee shall review and modify, as appropriate, its "lock-out" procedures whenever a new device is obtained to incorporate the device manufacturer's recommendations.
7	1.	A. The licensee may maintain, repair, or replace device components that are <i>not</i> related to the radiological safety of the device and that do not result in the potential for any portion of the body to come into contact with the primary beam or in increased radiation levels in accessible areas.
		B. The licensee may <i>not</i> maintain, repair, or replace any of the following device components: the sealed source, the source holder, source drive mechanism, on-off mechanism (shutter), shutter control, or shielding, or any other component related to the radiological safety of the device.

E.21 Self-shielded Irradiators

7	2.	(RESERVED)
7	3.	The licensee shall not repair, remove, replace, or alter any of the following: electrical and mechanical systems that control source and shielding movement, the irradiator's shielding or sealed source safety interlocks, or any component that may affect safe operation of the irradiator. These activities may be performed by a person specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
		[Reviewer Note: This condition is used for licensees NOT authorized to perform non-routine maintenance.]

OR

7	4.	Except for the repair or maintenance operations described in [letter/application] dated [insert date] , the licensee shall not repair, remove, replace, or alter any of the following: electrical and mechanical systems that control source or shielding movement, the irradiator's shielding or sealed source, safety interlocks, or any component that may affect safe operation of the irradiator. These activities shall be performed by a person specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
		[Reviewer Note: This condition is used for licensees authorized to perform non-routine maintenance.]
7	5.	For each J. L. Shepherd and Associates, Mark I or Model 81-22, cesium-137 irradiator installed and used, the licensee shall:
	A.	Permit the use of the irradiator only when a calibrated and operable radiation survey meter or room monitor is available; and
	B.	Permit the irradiator door to be opened only after the operator has checked visual indicators to verify that the source has returned to its safe storage position; and
	C.	Have room monitors installed that will:

	(i) Operate at all times when the irradiator is in use; and
	(ii) Activate a visible and audible alarm when radiation exceeds 2 millirems per hour; and
	(iii) Detect any radiation leaking from the irradiator door; and
	(iv) Be visible to the irradiator user when he is next to the irradiator; or
D	If a room monitor is not installed, have available a calibrated and operable survey meter that will be used to:
	(i) Determine the radiation level at the irradiation door when the door is closed; and
	(ii) Check for any increase in radiation levels each time the irradiator door is opened.
E	If abnormal radiation levels or any malfunctions of the irradiator are detected at any time, the licensee shall cease using the irradiator, restrict access to the area housing the irradiator, immediately notify the Radiation Safety Officer, and submit all reports required under 10 CFR Parts 20, 21 or 30.
F	Not repair or authorize repairs of the irradiator except by the manufacturer or other persons specifically authorized by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
	[Reviewer Note: This condition is used on all licenses authorizing possession and use of J. L. Shepherd Mark I or Model 81-22 irradiators.]
7	The procedures contained in the manufacturer's instruction manual, for the irradiator
6.	authorized by this license, shall be followed, and a copy of this manual shall be made available to each person using or having responsibility for the use of the device.

E.22 Part 36 Irradiators

7	Nothing in this license relieves the licensee from complying with the rules and regulations of
7.	the U.S. Food and Drug Administration, or any other requirements governing the irradiation and distribution of foods for human consumption.
7	Notwithstanding the requirements of 10 CFR 36.23(a), the licensee may use separate keys to
8.	operate the lock on the personnel entrance door or barrier and to move the sources in accordance with procedures described in the [letter/application] dated [insert date] .
	[Reviewer Note: This condition applies only to converted teletherapy units. Regions may use it without NMSS coordination. See Section 4.13.]
7	Notwithstanding the requirements of 10 CFR 36.23(b), the licensee is exempt from having an
9.	independent backup access control to detect personnel entry while sources are exposed based on the commitments described in the [letter/application] dated [insert date] .
	[Reviewer Note: Regions may use this condition for converted teletherapy units without NMSS coordination. See Section 4.13.]
8	Notwithstanding the requirements of 10 CFR 36.23(c), the licensee is exempt from having the
0.	monitor integrated with personnel access door locks to prevent room access when radiation levels are high based on the commitments described in the [letter/application] dated [insert date] .

[Reviewer Note: Regions may use this condition for converted teletherapy units without NMSS coordination. See Section 4.13.]

- 8 Notwithstanding the requirements of 10 CFR 36.23(d), the licensee is exempt from having a
1. visible and audible alarm within the treatment area, based on the commitments described in the **[letter/application]** dated **[insert date]**.

[Reviewer Note: Regions may use this condition for converted teletherapy units without NMSS coordination. See Section 4.13.]

- 8 Notwithstanding the requirements of 10 CFR 36.23(f), the licensee is exempt from having a
2. control that prevents the sources from moving from the shielded position unless the control has been activated and the door or barrier to the radiation room has been closed within a preset time based on the commitments described in the **[letter/application]**, dated **[insert date]**.

[Reviewer Note: Regions may use this condition for converted teletherapy units without NMSS coordination. See Section 4.13.]

- 8 Notwithstanding the requirements of 10 CFR 36.27(a) and (b), the licensee is exempt from
3. **[insert what is exempted]**, based on the commitments described in the letter/application dated **[insert date]**.

[Reviewer Note: Regions may use this condition for converted teletherapy units without NMSS coordination. See Section 4.13.]

- 8 Notwithstanding the requirements of 10 CFR 36.31(a), the licensee is exempt from the
4. requirement to have a console key attached to a portable survey meter by a chain or cable and the door to the radiation room requires the same key, based on the commitments described in the letter/application dated **[insert date]**. The radiation room door key shall be attached to the portable survey meter.

[Reviewer Note: Regions may use this condition for converted teletherapy units without NMSS coordination. See Section 4.13.]

- 8 Notwithstanding the requirements of 10 CFR 36.31(b), the licensee is exempt from the
5. requirement to have a separate position indicator to indicate when the source is in transit, in accordance with the letter/application dated **[insert date]**.

[Reviewer Note: Regions may use this condition for converted teletherapy units without NMSS coordination. See Section 4.13.]

- 8 Notwithstanding the requirements of 10 CFR 36.67(b)(2), the licensee is exempt from the
6. requirement to have a control in the radiation room that must be activated prior to irradiation and that would not allow the source to be moved from the shielded position unless the door to the radiation room is locked within a preset time, based on the commitments described in the letter/application dated **[insert date]**.

[Reviewer Note: Regions may use this condition for converted teletherapy units without NMSS coordination. See Section 4.13.]

8 The licensee shall not perform repairs or alterations of the irradiator involving removal of
7. shielding or access to the licensed material. Removal, replacement, and disposal of sealed sources in the irradiator shall be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.

8 The licensee shall implement the material accountability program described in
8. **[letter/application]** dated **[insert date]**, to account for all sealed sources containing licensed material received and possessed under the license.

8 The licensee is authorized to make modifications to the source rack as requested in
9. **[application/letter]**, dated **[insert date]**. The licensee shall test the movement of the source rack for proper operation, in accordance with 10 CFR 36.41(f) and (i), prior to source loading.

E.23 Medical - General

90. Notwithstanding the requirements of 10 CFR 35.20(a), the licensee is not required to develop and implement an ALARA program.

[Reviewer Note No. 1: Use this condition for licenses authorizing 35.500 only. This condition may be used without NMSS coordination.]

[Reviewer Note No. 2: The revision of 10 CFR Part 35 supercedes and/or includes the provisions provided by this License Condition. This condition is deleted on the effective date of the Rule.]

91. Notwithstanding the requirements of 10 CFR 35.22, the licensee is not required to establish a Radiation Safety Committee.

[Reviewer Note No. 1: Use this condition for institutional licensees that only authorize 35.500 devices. This condition requires coordination with NMSS. See Section 4.13.]

[Reviewer Note No. 2: The revision of 10 CFR Part 35 supercedes and/or includes the provisions provided by this License Condition. This condition is deleted on the effective date of the Rule.]

92. The licensee shall possess and use byproduct material for human research use in accordance with the prescriptive and performance criteria in all sections of 10 CFR Part 35.

[Reviewer Note: Use this condition for licensees with R&D programs where human use research is the only medical use authorized.]

93. Notwithstanding the requirements of 10 CFR 35.400(d) and (g), the licensee may use iridium-192 as seeds encased in nylon ribbon and palladium-103 as seeds for topical, interstitial, and intracavitary treatment of cancer. The licensee may deviate from the manufacturer's radiation safety and handling instructions only to the extent that the instructions are not applicable to the type of use proposed by the licensee.

[Reviewer Note No. 1: The above condition may be used without NMSS coordination. See Section 4.13.]

	[Reviewer Note No. 2: The revision of 10 CFR Part 35 supercedes and/or includes the provisions provided by this License Condition. This condition is deleted on the effective date of the Rule.]
94.	Notwithstanding the requirements of 10 CFR 35 [insert paragraph number], the licensee may use the alternative method for [recordkeeping or posting] as described in the [letter/application] dated [insert date].
	[Reviewer Note: The above condition may be used without NMSS coordination. See Section 4.13.]
95.	Notwithstanding the requirements of 10 CFR 35.315(a)(4), the licensee may use the alternative method for determining the dose rates in contiguous restricted and unrestricted areas described in the letter/application dated [insert date].
	[Reviewer Note No. 1: The above condition may be used without NMSS coordination. See Section 4.13.]
	[Reviewer Note No. 2: The revision of 10 CFR Part 35 supercedes and/or includes the provisions provided by this License Condition. This condition is deleted on the effective date of the Rule.]
96.	Notwithstanding the requirements of 10 CFR 35.70(b) and (e), the licensee may conduct surveys for contamination and ambient exposure rates of the area where radiopharmaceutical waste is being stored, whenever waste is moved, placed into, removed from storage, or [insert frequency], whichever is more frequent.
	[Reviewer Note No. 1: The above condition REQUIRES coordination with NMSS. See Section 4.13.]
	[Reviewer Note No. 2: The revision of 10 CFR Part 35 supercedes and/or includes the provisions provided by this License Condition. This condition is deleted on the effective date of the Rule.]
97.	Notwithstanding the requirements of 10 CFR 35.51(a)(3), the licensee may record the apparent exposure from its check source upon receipt from the calibration facility.
	[Reviewer Note No. 1: The above condition REQUIRES coordination with NMSS. See Section 4.13.]
	[Reviewer Note No. 2: The revision of 10 CFR Part 35 supercedes and/or includes the provisions provided by this License Condition. This condition is deleted on the effective date of the Rule.]
98.	Notwithstanding the requirements of 10 CFR 35.315(a)(7), the licensee may reassign a patient room to another radiopharmaceutical therapy patient when removable contamination is less than 2000 disintegrations per minute per 100 square centimeters, and in accordance with letter/application/facsimile dated [insert date].
	[Reviewer Note No. 1: The above condition REQUIRES coordination with NMSS. See Section 4.13.]

	[Reviewer Note No. 2: The revision of 10 CFR Part 35 supercedes and/or includes the provisions provided by this License Condition. This condition is deleted on the effective date of the Rule.]
99.	Notwithstanding the requirements of 10 CFR 35.406(a), the licensee is exempt from the requirements to count brachytherapy sources following explanation, based on the commitments described in the letter/application/facsimile dated [insert date] .
	[Reviewer Note No. 1: The above condition REQUIRES coordination with NMSS. See Section 4.13.]
	[Reviewer Note No. 2: The revision of 10 CFR Part 35 supercedes and/or includes the provisions provided by this License Condition. This condition is deleted on the effective date of the Rule.]
100.	Notwithstanding the requirements of 10 CFR 35.415(a)(4), the licensee may use the alternative method for determining the dose rates in contiguous restricted and unrestricted areas described in the [letter/application] dated [insert date] .
	[Reviewer Note No. 1: The above condition may be used without NMSS coordination. See Section 4.13.]
	[Reviewer Note No. 2: The revision of 10 CFR Part 35 supercedes and/or includes the provisions provided by this License Condition. This condition is deleted on the effective date of the Rule.]
101.	Replacement-exchange of the source/source-holder combination for sources identified in 35.500 may be performed by the licensee in accordance with the instructions contained in the manufacturer's manual.
	[Reviewer Note No. 1: This condition is for licenses authorizing 10 CFR 35.500. The above condition REQUIRES coordination with NMSS. See Section 4.13.]
	[Reviewer Note No. 2: The revision of 10 CFR Part 35 supercedes and/or includes the provisions provided by this License Condition. This condition is deleted on the effective date of the Rule.]
102.	Notwithstanding the requirements of 10 CFR 35.404(a), the licensee may release from confinement for medical care a patient with a temporary eye plaque implant in place, in accordance with procedures described in [letter/application] dated [insert date] .
	[Reviewer Note No. 1: The above condition may be used without NMSS coordination. See Section 4.13.]
	[Reviewer Note No. 2: The revision of 10 CFR Part 35 supercedes and/or includes the provisions provided by this License Condition. This condition is deleted on the effective date of the Rule.]
103.	The licensee shall conduct a physical inventory every 3 months to account for all sources and/or devices received and possessed pursuant to 10 CFR 35.59, 10 CFR 35.400, and 10 CFR 35.500 and every 6 months for all other sources and/or devices. Records of inventories shall be maintained for 5 years from the date of each inventory and shall include the information required in 10 CFR 35.59(g).

[Reviewer Note: The revision of 10 CFR Part 35 supercedes and/or includes the provisions provided by this License Condition. This condition is deleted on the effective date of the Rule.]

E.24 Medical - Broad

10 Notwithstanding the requirements of 10 CFR 35.49(a), the licensee may use any byproduct
4. material for 10 CFR 35.400 and 35.500 uses.

[Reviewer Note No. 1: This condition REQUIRES coordination with NMSS. See Section 4.13.]

[Reviewer Note No. 2: The revision of 10 CFR Part 35 supercedes and/or includes the provisions provided by this License Condition. This condition is deleted on the effective date of the Rule.]

E.25 Medical - Brachytherapy Remote Afterloaders

In lieu of 10 CFR
35.404(a),
5 immediately after
retracting the source
from the patient into
its shielded position in
the remote
afterloading device, a
radiation survey shall
be made of the patient
and the remote
afterloading device
with a portable
radiation detection
survey instrument to
confirm that the source
has been removed
from the patient and
returned to the
fully-shielded position
in the remote
afterloading device.
Records of the survey
shall be maintained in
lieu of the record
required in 10 CFR
35.404(b).

[Reviewer Note: The revision of 10 CFR Part 35 includes the requirements in this license condition. This condition is deleted on the effective date of the Rule.]

In lieu of the source inventory required in 10 CFR 35.406, the licensee shall:

Promptly determine that all sources have returned to the safe, shielded position at the conclusion of each remote afterloading brachytherapy procedure .

Promptly make a survey of the area of use to confirm that no sources have been misplaced.

Make a record of the survey including the survey instrument used, dose rate expressed in mrem/hr

 Image Not Available

(Sieverts/hr), time, date and name of the individual making the survey.

Retain the record of the survey in lieu of the record required in 10 CFR 35.406(d).

[Reviewer Note: The revision of 10 CFR Part 35 supercedes and/or includes the provisions provided by this License Condition. This condition is deleted on the effective date of the Rule.]

For each high dose rate remote afterloading brachytherapy unit, prior to initiation of a treatment program, and subsequent to each source exchange, the licensee shall perform the following radiation surveys:

Survey the source housing, with the source in the shielded position. The maximum radiation levels at 100 centimeters from the surface of the main source safe shall not exceed **[insert appropriate number]** milliroentgen per hour.

Survey all areas adjacent to the treatment room with the source in the "exposed" position. The survey shall clearly establish that :

(i) Radiation levels in restricted areas are not likely to cause personal exposure in excess of the limits specified in 10 CFR 20.1201(a), 20.1207, and 20.1208.

(ii) Radiation levels in unrestricted areas do not exceed the limits specified in 10 CFR 20.1301.

Records of the survey results shall be maintained for inspection by the U.S. Nuclear Regulatory Commission for 3 years.

[Reviewer Note No. 1: As dose rates differ from unit to unit, insert the appropriate dose rate in Paragraph A, for the specific HDR authorized by the license.]

[Reviewer Note No. 2: The revision of 10 CFR Part 35 supercedes and/or includes the provisions provided by this License Condition. This condition is deleted on the effective date of the Rule.]

The following shall be performed only by *manufacturer's representatives* or persons specifically authorized by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services:

Installation and replacement of the sealed sources contained in each high dose rate remote afterloading brachytherapy unit.

Any maintenance or repair operations on the high dose rate remote afterloading brachytherapy unit(s) and associated equipment listed in Subitem(s) of Item 9, involving work on the source safe, the source drive unit, or other mechanism that could expose the source, reduce the shielding around the source, or compromise the safety of the unit and result in increased radiation levels.

[Reviewer Note: The revision of 10 CFR Part 35 supercedes and/or includes the provisions provided by this License Condition. This condition is deleted on the effective date of the Rule.]

The medical physicist for this license is **[insert name]**.

The medical physicist(s) for this license [is/are] [insert name(s)] or individuals designated in writing, by the licensee's Radiation Safety Committee, and who comply with at least one of the following criteria:

Meet the training and experience criteria established in 10 CFR 35.961(a) or (b), and meet the recentness of training criteria established in 10 CFR 35.972; or

Is identified as a medical physicist on a U.S. Nuclear Regulatory Commission or Agreement State license that authorizes the use of a high dose rate remote afterloading brachytherapy device; or

Is designated as a medical physicist by a U.S. Nuclear Regulatory Commission or Agreement State license of broad scope that authorizes the use of a high dose rate remote afterloading brachytherapy device; or

Is identified as teletherapy physicist on a U.S. Nuclear Regulatory Commission or Agreement State license and has completed the manufacturer's training on the use of a high dose rate remote afterloading brachytherapy device; or

Is designated as a teletherapy physicist by a U.S. Nuclear Regulatory Commission or Agreement State license of broad scope; and has completed the manufacturer's training on the use of a high dose rate remote afterloading brachytherapy device; and, having received training for the specific make(s) and/or model(s) of remote afterloading device(s) used by the licensee.

[Reviewer Note No. 1: This condition is for use with limited Part 35 licensees who have requested authorization to appoint their own HDR physicists (medical physicists) in accordance with the criteria set forth in 10 CFR 35.961 and 10 CFR 35.972, and who commit to training the physicists for the specific make(s) and/or model(s) of remote afterloading devices(s) listed on their license.]

[Reviewer Note No. 2: The revision of 10 CFR Part 35 supercedes and/or includes the provisions provided by this License Condition. This condition is deleted on the effective date of the Rule.]

~~Access to the treatment room housing each high dose rate remote afterloading brachytherapy unit shall be controlled by a door at each entrance.~~

Each entrance to the treatment room shall be equipped with an electrical interlock system that will cause the source to return to the shielded position immediately upon opening of the entrance door. The interlock system shall be connected in such a manner that the source cannot be placed in the irradiation position until the entrance door is closed and the source "on-off" control is reset at the control panel.

Electrical interlocks on each entrance door to the treatment room shall be tested for proper operation at least once each day of use, prior to use. Records of test results shall be maintained for inspection by the U.S. Nuclear Regulatory Commission for a period of 3 years.

In the event of malfunction of the door interlock, the unit shall be locked in the "off" position and not used, except as may be necessary for repair or replacement of the interlock system, until the interlock system is shown to be functioning properly.

[Reviewer Note: The revision of 10 CFR Part 35 supercedes and/or includes the provisions provided by this License Condition. This condition is deleted on the effective date of the Rule.]

(RESERVED)

1
2

E.26 Gamma Stereotactic Radiosurgery Unit Conditions

11 A Licensed material shall be used by or under the supervision of a team of at least three
3. individuals that includes the following: a neurosurgeon, a radiation therapist, and a medical physicist, each of whom is specifically named on the license (and persons with any other speciality as deemed appropriate by the licensee).

B. Radiation therapist(s) for this license are **[insert name]**.

C. Neurosurgeon(s) for this license are **[insert name]**.

D. Medical physicist(s) for this license are **[insert name]**.

[Reviewer Note: The revision of 10 CFR Part 35 does not require the names of all of these individuals. This condition is deleted on the effective date of the Rule.]

11 4.	A Gamma stereotactic radiosurgery unit sources shall be tested for leakage at intervals not to exceed 6 months. Records of test results shall be kept in units of microcuries or becquerels and maintained for inspection by the U.S. Nuclear Regulatory Commission. In the absence of a certificate from a transferor indicating that a test has been made within 6 months before the transfer, a source received from another person shall not be used until tested for leakage.
	B. The tests shall be sufficiently sensitive to detect 0.005 microcurie (185 becquerels) of contamination on the test sample.
	C. The test sample shall be taken from selected accessible surfaces of the gamma stereotactic radiosurgery unit. The selected accessible surfaces should be those surfaces on which one might expect contamination (if there were to be leakage) to accumulate and shall include the inner surface of the most frequently used helmets. A minimum of a single wipe of the entire surface of the collimator will be taken.
	D. If the test reveals the presence of 0.005 microcurie or more of removable contamination, the licensee shall immediately withdraw the gamma stereotactic radiosurgery unit from use and take action to prevent spread of contamination. A report shall be filed, within 5 days of the date the leak test result is known, with the U.S. Nuclear Regulatory Commission, [insert appropriate address for Region] . The report shall specify the source involved, the test results, and corrective action taken.
[Reviewer Note: The revision of 10 CFR Part 35 supercedes and/or includes the requirements in this condition. This condition is deleted on the effective date of the Rule.]	
11 5.	A set of written emergency instructions shall be posted at the gamma stereotactic radiosurgery unit's control console. These instructions shall inform the operator of the procedure to be followed should he be unable to withdraw the patient from the focus beam of radiation with the controls outside the treatment room.
	A. Access to the gamma stereotactic radiosurgery room shall be controlled by a door at each entrance. Such doors shall be normally closed.
	B. Each entrance to the gamma stereotactic radiosurgery room shall be equipped with an electrical interlock system that will remove the patient from the focus beam of radiation upon opening of any entrance door. The interlock system shall be connected in such a manner that the patient cannot be returned to the focus beam until all entrance doors are closed and the control is reset at the control panel.
	C. Electrical entrance to the gamma stereotactic radiosurgery room shall be tested for proper operation at least once every 6 months. Records of test results shall be maintained for inspection by the U.S. Nuclear Regulatory Commission. Records may be disposed of following NRC inspection.
	D. In the event of malfunction of any door interlock, the gamma stereotactic radiosurgery unit control shall be locked in the "off" condition and not used, except as may be necessary for repair or replacement of the interlock system, until the interlock system is shown to be functioning properly.

[Reviewer Note: The revision of 10 CFR Part 35 supercedes and/or includes the provisions provided by this License Condition. This condition is deleted on the effective date of the Rule.]

11 A Any changes made in the treatment room shielding, location of the unit within the
6. treatment room, or use of the gamma stereotactic radiosurgery unit that could result in increased radiation levels in areas outside the gamma stereotactic radiosurgery treatment room shall be evaluated by a radiation survey made in accordance with **[Condition 118]** and reported to the U.S. Nuclear Regulatory Commission within 30 days following completion of the change(s).

B. Relocation of the gamma stereotactic radiosurgery unit to a new facility is not permitted without prior approval of all the plans and details from the U.S. Nuclear Regulatory Commission. Following such approval and relocation, a radiation survey shall be made in accordance with **[Condition 118]**, and reported to the U.S. Nuclear Regulatory Commission within 30 days after completion of the move.

[Reviewer Note: The revision of 10 CFR Part 35 supercedes and/or includes the provisions provided by this License Condition. This condition is deleted on the effective date of the Rule.]

11 Before initiation of a treatment program, and subsequent to each set of source changes,
7. radiation surveys and tests shall be performed in accordance with the following:

A A radiation survey shall be made of:

1. The gamma stereotactic radiosurgery unit source housing, with the shielding door closed. The maximum and average radiation levels at 1 meter from the gamma stereotactic radiosurgery unit housing in the "closed" position shall not exceed 10 milliroentgens per hour and 2 milliroentgens per hour, respectively.

2. All areas adjacent to the treatment room with the gamma stereotactic radiosurgery unit shielding door in the "open" position. The survey shall be performed with a phantom in the focus beam of radiation and shall clearly establish:

(i) That the radiation levels in restricted areas are not likely to cause occupational doses in excess of the limits specified in 10 CFR 20.1201 or doses to members of the public in excess of the limits specified in 10 CFR 20.1301; and

(ii) That quantities of radiation in unrestricted areas do not exceed the limits specified in 10 CFR 20.1301(a)(2).

B. Tests shall be made to determine proper operation of:

1. Electrical interlocks on entrance doors to the gamma stereotactic radiosurgery unit treatment room.

2. The gamma stereotactic radiosurgery unit treatment timing device.

A report of the results of the above surveys and tests shall be sent to the U.S. Nuclear Regulatory Commission, **[insert appropriate Regional Office information]**, not more than 30 days after connection of the hydraulic system for the gamma stereotactic radiosurgery unit.

	[Reviewer Note: The revision of 10 CFR Part 35 supercedes and/or includes the provisions provided by this License Condition. This condition is deleted on the effective date of the Rule.]
11	The following shall be performed by the manufacturer or by persons specifically licensed by
8.	the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services:
	A. Installation, relocation, or removal of a gamma stereotactic radiosurgery unit containing sources;
	B. Source replacements;
	C. Any maintenance or repair operations on the gamma stereotactic radiosurgery unit involving a mechanism that could expose the sources, reduce the shielding around the sources, or compromise the safety of the unit and result in increased radiation levels.
	[Reviewer Note: The revision of 10 CFR Part 35 supercedes and/or includes the provisions provided by this License Condition. This condition is deleted on the effective date of the Rule.]
11	Notwithstanding the requirements of 10 CFR 35.632(b)(2), 35.632(b)(3), 35.632(b)(6),
9.	35.634(a)(3), and 35.634(a)(4), the licensee is not required to determine the coincidence of the radiation field and the field indicated by a light beam localizing device, the uniformity of the radiation field and its dependence on the orientation of the useful beam, and the accuracy of all distance measuring and localization devices in medical use.
	[Reviewer Note No. 1: This condition REQUIRES coordination with NMSS. See Section 4.13.]
	[Reviewer Note No. 2: The revision of 10 CFR Part 35 supercedes and/or includes the provisions provided by this License Condition. This condition is deleted on the effective date of the Rule.]

E.27 Teletherapy

12	Notwithstanding the requirements of 10 CFR 35.647, the licensee is authorized to extend
0.	until [insert date] the time interval for inspection and servicing of its teletherapy unit.
	[Reviewer Note: This condition may be used without NMSS coordination. See Section 4.13.]
12	The teletherapy physicist for this license is [insert name] .
1.	
12	Notwithstanding the requirements of 10 CFR 35.961, [insert name] may perform the duties
2.	of the teletherapy physicist for those full-calibration and spot-check measurements specified in 10 CFR Part 35.
	[Reviewer Note: This condition REQUIRES coordination with NMSS. See Section 4.13.]
12	(RESERVED)
3.	

12 (RESERVED)

4.

12 (RESERVED)

5.

E.28 Mobile Nuclear Medicine

12 Notwithstanding the requirements of 10 CFR 35.29(d) and 10 CFR 35.80(b), licensed
6. material may be delivered to **[insert licensee's name]** at client addresses in accordance with the procedures outlined in **[letter/application]** dated **[insert date]**.

[Reviewer Note No. 1: This condition REQUIRES coordination with NMSS. See Section 4.13.]

[Reviewer Note No. 2: The revision of 10 CFR Part 35 supercedes and/or includes the provisions provided by this License Condition. This condition is deleted on the effective date of the Rule.]

12 Notwithstanding the requirements of 10 CFR 35.80(b), the licensee may perform mobile
7. nuclear medicine studies in the imaging van in accordance with procedures in letter(s) dated **[insert date]**.

[Reviewer Note No. 1: This condition REQUIRES coordination with NMSS. See Section 4.13.]

[Reviewer Note No. 2: The revision of 10 CFR Part 35 supercedes and/or includes the provisions provided by this License Condition. This condition is deleted on the effective date of the Rule.]

12 Notwithstanding the requirements of 10 CFR 35.80(b), the licensee may transport
8. 99Mo/99m Tc generators in the operation of mobile medical service, in accordance with procedures described in letter/application/facsimile dated **[insert date]**.

[Reviewer Note No. 1: This condition REQUIRES coordination with NMSS. See Section 4.13.]

[Reviewer Note No. 2: The revision of 10 CFR Part 35 supercedes and/or includes the provisions provided by this License Condition. This condition is deleted on the effective date of the Rule.]

12 Notwithstanding the requirements of 10 CFR 35.80(b), the licensee may store the material
9. overnight at locations of use consistent with procedures and commitments proposed by the licensee in the letter(s) dated **[insert date]**.

[Reviewer Note No. 1: This condition REQUIRES coordination with NMSS. See Section 4.13.]

[Reviewer Note No. 2: The revision of 10 CFR Part 35 supercedes and/or includes the provisions provided by this License Condition. This condition is deleted on the effective date of the Rule.]

13 (RESERVED)

0.

E.29 Cardiac Pacemakers

REVIEWER NOTE: DO NOT USE THESE CONDITIONS FOR NEW PACEMAKER LICENSES. NEW PACEMAKER LICENSE CONDITIONS WILL REQUIRE COORDINATION WITH HQ.

13 The specified possession limit for nuclear-powered pacemakers includes all licensed
1. material possessed by the licensee under this license whether in storage, implanted in patients, or otherwise in use.

13 The licensee shall report to the U.S. Nuclear Regulatory Commission's Regional Office
2. referenced in Appendix D of 10 CFR Part 20, within 10 days after discovery of loss of contact with a nuclear-powered pacemaker patient.

[Warning: Do not use the recordkeeping portion of this condition until notified that OMB clearance has been obtained.]

13 The licensee shall continue patient follow-up and replacement procedures for the
3. nuclear-powered pacemaker during the life of the patient. Procedures for recovery and authorized disposal of the nuclear-powered pacemaker by return to the manufacturer shall be followed upon the death of the patient.

[Warning: Do not use the recordkeeping portion of this condition until notified that OMB clearance has been obtained.]

E.30 Broad Scopes

13 Notwithstanding the requirements of License Condition [Insert Tie-Down Condition
4. number], the licensee is authorized to make program changes and changes to procedures specifically identified in the **[application/letter]** dated **[insert date]**, which were previously approved by the Commission and incorporated into the license without prior Commission approval as long as:

A. The proposed revision is documented, reviewed, and approved by the licensee's Radiation Safety Committee in accordance with established procedures prior to implementation;

B. The revised program is in accordance with regulatory requirements, will not change the license conditions, and will not decrease the effectiveness of the Radiation Safety Program;

C. The licensee's staff is trained in the revised procedures prior to implementation; and

D. The licensee's audit program evaluates the effectiveness of the change and its implementation.

E.31 Radiopharmacies

13 The licensee is authorized to retrieve, receive and dispose of radioactive waste from its
5. customers, limited to radiopharmacy-supplied syringes and vials and their contents.

13 6. Notwithstanding the requirements of 10 CFR 32.72(c), the licensee may redistribute alpha-, beta-, or photon-emitting radioactive drugs, which have been initially distributed by another radiopharmaceutical supplier's licenses pursuant to 10 CFR 32.72, without verifying the radioactivity of the dosage. The licensee must not manipulate the dosage, including the packaging and label.

[Reviewer Note: The above condition REQUIRES coordination with NMSS. See Section 4.13.]

13 7. (RESERVED)

13 8. (RESERVED)

13 9. (RESERVED)

E.32 Waste Disposal

14 0. The licensee is authorized to hold radioactive material with a physical half-life of less than or equal to **[insert 65 or 120]** days for decay-in-storage before disposal in ordinary trash, provided:

A. Waste to be disposed of in this manner shall be held for decay a minimum of 10 half-lives.

B. Before disposal as ordinary trash, the waste shall be surveyed at the container surface with the appropriate survey instrument set on its most sensitive scale and with no interposed shielding to determine that its radioactivity cannot be distinguished from background. All radiation labels shall be removed or obliterated.

C. A record of each such disposal permitted under this license condition shall be retained for 3 years. The record must include the date of disposal, the date on which the byproduct material was placed in storage, the radionuclides disposed, the survey instrument used, the background dose rate, the dose rate measured at the surface of each waste container, and the name of the individual who performed the disposal.

[Reviewer Note: This condition may be used for radionuclides with either $T_{1/2} \leq 65$ days or 120 days.]

14 1. Radioactive waste possessed under this license shall be stored in accordance with the statements, representations, and procedures included with the licensee's waste storage plan described in the licensee's letter dated **[insert date]**.

[Reviewer Note: Use this condition when a waste storage plan has been submitted and reviewed against IN 90-09.]

14 2. Notwithstanding the requirements of 10 CFR 35.92(a), the licensee may hold any radioactive material authorized by this license with a physical half-life of less than or equal to 120 days for decay-in-storage before disposal in ordinary trash, provided the licensee stores the material for decay in accordance with all other requirements of 10 CFR 35.92.

[Reviewer Note No. 1: This condition is for use on medical licenses with a non-human R&D program (generally broad scopes) where the licensee has requested decay-in-storage (DIS) for radioactive waste with a half-life of ≤ 120 days and has agreed to abide by all other DIS requirements in 35.92. This condition may be used without NMSS coordination. See Section 4.13.]

[Reviewer Note No. 2: The revision of 10 CFR Part 35 supercedes the requirements in this License Condition. This condition is deleted on the effective date of the Rule.]

14 (RESERVED)
3.

E.33 Incineration

14 Pursuant to 10 CFR 20.1302(c) and 10 CFR 20.2002, the licensee is authorized to dispose of
4. licensed material by incineration, provided the gaseous effluent from incineration does not exceed the limits specified for air in Appendix B, Table II, 10 CFR Part 20.

14 Pursuant to 10 CFR 20.2002, the licensee may dispose of incinerator ash containing
5. radioactive materials with Atomic Nos. 1 through 83, except as identified below, as ordinary waste in a landfill, provided that the concentration of radionuclides (in microcuries per gram of ash) at the time of disposal are no greater than the values of Table II, Column 2, 10 CFR Part 20, Appendix B. For hydrogen-3, carbon-14, aluminum-26, chlorine-36, silver 108-m, niobium-94, iodine-129, technetium-99, and thallium-204, the concentration can be no greater than one-tenth of the value in Table II, Column 2, 10 CFR Part 20, Appendix B. If more than one radionuclide is present in the ash, then the sum of fractions rule applies.

[Reviewer Note: This condition may be used if ash concentrations allow disposal as ordinary waste (see PG 8-10 "Guidance on Disposal of Incinerator Ash as Ordinary Waste"). If the licensee requests to dispose of ash as ordinary waste and the ash does not meet the concentrations specified in PG 8-10, the request must be coordinated with NMSS.]

E.34 Transportation

14 The licensee is authorized to transport licensed material in accordance with the provisions of
6. 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

[Reviewer Note: Put this condition on ALL licenses.]

14 (RESERVED)
7.

14 (RESERVED)
8.

E.35 Distribution

14 The licensee may distribute products containing licensed material from **[insert address]**.
9.

[Reviewer Note: For use on distribution only licenses.]

15 Each device distributed pursuant to the conditions of this license shall be in accordance with
0. the following table:

<u>Device Model</u> <u>Number</u>	<u>Isotope</u>	<u>Source Model</u> <u>Number</u>	<u>Maximum Activity</u> <u>Per Source</u>
--------------------------------------	----------------	--------------------------------------	--

15 This license does not authorize possession or use of licensed material.
1.

[Reviewer Note: For use on G, E, and MD distribution licenses.]

E.36 Exempt Distribution

15 This license does *not* authorize possession and use.
2.

15 Pursuant to 10 CFR 32.[insert section number], the licensee is authorized to distribute the
3. products specified in Condition [insert number] to persons exempt from the requirements
for a license pursuant to 10 CFR 30.[insert section number] or equivalent provisions of the
regulations of any Agreement State.

15 The following products may be distributed, provided the amount of [insert isotope]
4. contained in the device does not exceed the amounts specified in the following table:

<u>Device/Series</u> <u>Model</u>	<u>Maximum Quantity per Device</u>
--------------------------------------	------------------------------------

15 The licensee shall file periodic reports as specified in Section 32.[insert section number] of
5. 10 CFR Part 32.

E.37 Manufacturers

15 This license does not authorize commercial distribution of licensed material to persons
6. generally licensed pursuant to 10 CFR Part 31 or to persons exempt from licensing pursuant
to 10 CFR 30.14 through 30.21, inclusive, or equivalent regulations of any Agreement State.

15 This license does not authorize commercial distribution of licensed material.
7.

15 This license does not authorize distribution pursuant to 32.72 or 32.74; to persons exempt
8. from licensing; or to general licensees.

[Reviewer Note: Use for Manufacturers and Distributors not authorized to distribute
to medical licenses.]

E.38 Miscellaneous - Unsealed Material

15 The licensee shall not use licensed material in or on human beings except as provided
9. otherwise by specific conditions of this license.

16 0. The licensee shall not use licensed material in field applications where it is released except as provided otherwise by specific condition of this license.

16 1. Experimental animals, or the products from experimental animals, that have been administered licensed materials shall not be used for human consumption.

16 2. Pursuant to 10 CFR 20.1301(c) and in reliance on statements, procedures and representations made by the licensee in the **[application/letter]** dated **[insert date]**, the following maximum radiation levels are hereby authorized in the following unrestricted areas:

<u>Maximum Radiation Level</u>	<u>Unrestricted Area</u>
--------------------------------	--------------------------

[Reviewer Note: The above condition requires coordination with NMSS. See Section 4.13.]

E.39 Miscellaneous - Sealed Sources

16 3. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.

16 4. The licensee shall conduct a physical inventory every 6 months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 5 years from the date of each inventory and shall include the radionuclides, quantities, manufacturer's name and model numbers, and the date of the inventory.

[Warning: Do not use the recordkeeping portion of this condition until notified that OMB clearance has been obtained.]

16 5. A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State.

B. Notwithstanding Paragraph A of this Condition, sealed sources designed to primarily emit alpha particles shall be tested for leakage and/or contamination at intervals not to exceed 3 months.

[Reviewer Note: Paragraph B may be deleted if not needed.]

C. Each sealed source fabricated by the licensee shall be inspected and tested for construction defects, leakage, and contamination prior to any use or transfer as a sealed source.

[Reviewer Note: Paragraph C may be deleted if not needed.]

D. In the absence of a certificate from a transferor indicating that a leak test has been made within the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State, prior to the transfer, a sealed source received from another person shall not be put into use until tested and the test results received.

	E. Sealed sources need not be tested if they contain only hydrogen-3; or they contain only a radioactive gas; or the half-life of the isotope is 30 days or less; or they contain not more than 100 microcuries of beta- and/or gamma-emitting material or not more than 10 microcuries of alpha-emitting material.
	[Reviewer Note: Paragraph E may be deleted if not needed.]
	F. Sealed sources need not be tested if they are in storage and are not being used; however, when they are removed from storage for use or transferred to another person and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
	G. The leak test shall be capable of detecting the presence of 0.005 microcurie (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie (185 becquerels) or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(c)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations.
	H. Tests for leakage and/or contamination, limited to leak test sample collection, shall be performed by the licensee or by other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services. The licensee is not authorized to perform the analysis; analysis of leak test samples must be performed by persons specifically licensed by NRC or an Agreement State to perform such services.
	[Reviewer Note: This part of the condition is used for licensees NOT authorized to perform leak test analysis.]
	OR
	H. Tests for leakage and/or contamination, including leak test sample collection and analysis, shall be performed by the licensee or by other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
	[Reviewer Note: This part of the condition is used for licensees authorized to collect AND analyze leak test samples.]
	I. Records of leak test results shall be kept in units of microcuries and shall be maintained for 5 years.
	[Warning: Do not use the recordkeeping portion of this condition until notified that OMB clearance has been obtained.]
16 6.	(RESERVED)

E.40 Emergency Plans/Decommissioning

16 7.	In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the limits specified in 10 CFR 30.72 that require consideration of the need for an emergency plan for responding to a release of licensed material.
	[Reviewer Note: When requested by the licensee, use where the authorized quantity of any isotope does not require an emergency plan by itself, but where the sum of the isotopes may require an emergency plan. Use of this condition should be infrequent, usually only where a limited number of radionuclides are in use. Otherwise, the reviewer should request information regarding the inventory or tracking system the licensee will use to verify that the overall limits will not be exceeded.]
16 8.	In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR [30.35(d) or 40.36(b) or 70.25(d)] for establishing decommissioning financial assurance.
	[Reviewer Note: This is a general possession limit for no decommissioning financial assurance for cases where the possession limit is not explicit in license Item 8.]
16 9.	In addition to the possession limits in Item 8, the licensee shall further restrict the possession of [unsealed byproduct material or readily dispersible source material] to quantities less than [10 ⁴ or 10 ⁵ of the applicable limits in Appendix B of 10 CFR Part 30, or 100 Ci], as specified in 10 CFR [30.35(d) or 40.36(b) or 70.25(d)].
	[Reviewer Note: This is a general possession limit for intermediate level decommissioning financial assurance.]
17 0.	If only one radionuclide is possessed, the possession limit is the quantity specified for that radionuclide in 10 CFR 33.100, Schedule A, Column II. If two or more radionuclides are possessed, the possession limit is determined as follows: For each radionuclide, determine the ratio of the quantity possessed to the applicable quantity specified in 10 CFR 33.100, Schedule A, Column II, for that radionuclide. The sum of the ratios for all radionuclides possessed under the license shall not exceed unity.
	[Reviewer Note: This condition is used to authorize the types and quantities of materials for a Type C Broad License. The possession limits for these licenses require submission of \$150,000 for financial assurance for decommissioning. This condition does not address isotopes with atomic numbers greater than 83. To eliminate the need for FA, use LC 173 A and B. Alternately, LC 169 may be added. Please note that FA is not required if Item 6 authorizes only material with a half-life of less than 120 days. See note to LC 173 also.]
17 1.	If only one radionuclide is possessed, the possession limit is the quantity specified for that radionuclide in 10 CFR 33.100, Schedule A, Column I. If two or more radionuclides are possessed, the possession limit is determined as follows: For each radionuclide, determine the ratio of the quantity possessed to the applicable quantity specified in 10 CFR 33.100, Schedule A, Column I, for that radionuclide. The sum of the ratios for all radionuclides possessed under the license shall not exceed unity.

[Reviewer Note: This condition authorizes types and quantities of materials for a Type B Broad License. The possession limits for these licenses require submission of financial assurance and a decommissioning funding plan (DFP) with a cost estimate. To eliminate the need for a DFP, use LC 174 A and B. Alternatively, LC 169 may be added and financial assurance would not be required. Please note that FA is not required if Item 6 authorizes only material with a half-life of less than 120 days. This condition does not address isotopes with atomic numbers greater than 83. See also note to LC 174.]

17 A. If only one radionuclide is possessed, the possession limit is the quantity specified for that radionuclide in 10 CFR 33.100, Schedule A, Column II. If two or more radionuclides are possessed, the possession limit is determined as follows: For each radionuclide, determine the ratio of the quantity possessed to the applicable quantity specified in 10 CFR 33.100, Schedule A, Column II, for that radionuclide. The sum of the ratios for all radionuclides possessed under the license shall not exceed unity.

B. Notwithstanding Paragraph A of this Condition and 10 CFR 33.100, Schedule A, Column II, the applicable quantities for the following radionuclides are reduced to:

Carbon 14	100 millicuries
Krypton 85	100 millicuries
Iodine 129	10 microcuries
Any byproduct material other than alpha-emitting byproduct material not listed in 10 CFR 33.100, Schedule A	100 microcuries

[Reviewer Note: This condition restricts the possession limit for a Type C Broad License to eliminate the need for financial assurance for decommissioning. This condition may also be modified to add isotopes not listed in Part 30, Appendix B, that have $T_{1/2} < 120$ days (i.e. phosphorus-33). When these isotopes are added, the reviewer must limit the activity of the isotope to ensure that the allowable percentage is not exceeded. This condition does not address isotopes with atomic numbers greater than 83. For atomic numbers 84-93, see LC 175.]

17 A. If only one radionuclide is possessed, the possession limit is the quantity specified for that radionuclide in 10 CFR 33.100, Schedule A, Column I. If two or more radionuclides are possessed, the possession limit is determined as follows: For each radionuclide, determine the ratio of the quantity possessed to the applicable quantity specified in 10 CFR 33.100, Schedule A, Column I, for that radionuclide. The sum of the ratios for all radionuclides possessed under the license shall not exceed unity.

B. Notwithstanding 10 CFR 33.100, Schedule A, Column I, the applicable quantities, for the purpose of performing the unity calculation as provided in Section A of this condition, for the following radionuclides are:

	Carbon 14	10 curies
	Krypton 85	10 curies
	Iodine 129	1 millicurie
	Any byproduct material other than alpha-emitting byproduct material not listed in 10 CFR 33.100, Schedule A	10 millicuries

[Reviewer Note: This condition restricts the possession limit for a Type B Broad License to quantities requiring \$750,000 financial assurance but below those quantities requiring a decommissioning funding plan. If the license contains this condition and has a Radiation Safety Committee, it is considered to be a Type A Broad Scope. This condition may also be modified to add isotopes not listed in Part 30, Appendix B that have $T_{1/2} < 120$ days (e.g., phosphorus-33). When these isotopes are added, the reviewer must limit the activity of the isotope to ensure that the allowable percentage is not exceeded. This condition does not address isotopes with atomic numbers greater than 83. See LC 176.]

- 17 A [Same as Part A of LC 173.]
4.
- B. Notwithstanding Paragraph A of this Condition and 10 CFR 33.100, Schedule A, Column II:
- (i) the applicable quantities for the following radionuclides are reduced to:

	Carbon 14	100 millicuries
	Krypton 85	100 millicuries
	Iodine 129	100 microcuries
	Any byproduct material other than alpha-emitting byproduct material not listed in 10 CFR 33.100, Schedule A	100 microcuries

- (ii) the following nuclides are added:
- | | |
|---|----------------|
| Any byproduct material with atomic number 84 through 98 | 10 microcuries |
|---|----------------|

[Reviewer Note: See note for LC 173. This condition can be used only in conjunction with part A of LC 173 to address isotopes with atomic numbers greater than 83. Use of this condition with part A of LC 173 limits the possession limit for a Type C Broad License to quantities below those requiring financial assurance for decommissioning.]

17 5.	A	[Same as Part A of LC 174.]
	B.	Notwithstanding Paragraph A of this Condition and 10 CFR 33.100, Schedule A, Column I:
		(i) the applicable quantities for the following radionuclides are reduced to:

	Carbon 14	10 curies
	Krypton 85	10 curies
	Iodine 129	10 millicuries
	Any byproduct material other than alpha emitting byproduct material not listed in 10 CFR 33.100, Schedule A	10 millicuries

	(ii) the following nuclides are added:	
	Any byproduct material with atomic number 84 through 98	1 millicurie

	[Reviewer Note: See note for LC 174. This condition can be used only in conjunction with part A of LC 174 to address isotopes with atomic numbers greater than 83. Use of this condition with part A of LC 174 limits the possession limit for a Type B Broad License to quantities requiring \$750,000 financial assurance but below those quantities requiring a decommissioning funding plan.]	
17 6.	The license is exempt from decommissioning financial assurance requirements for possession of licensed material in sealed sources in quantities greater than the limits in 10 CFR 30.35(d) for the purpose of source changes only. This exemption is granted for no more than 30 days for any one source change.	
	[Reviewer Note: This condition REQUIRES coordination with NMSS. See Section 4.13.]	

E.41 Possession Only

17 7.	The licensee will take all actions that are within its ability to dispose of its material, notifying NRC within 30 days if disposal is achieved.
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Appendix F: Additional Guidance for LTS Users

The following additional guidance is provided for users of the Licensing Tracking System (LTS) and addresses items not covered in the LTS User's Guide:

F.1 Exemption Data Fields

A requirement to identify, document, and track exemption requests in licensing actions was established by a staff requirements memorandum (SRM) from the Commission dated January 30, 1997, responding to SECY-96-249, "Staff Response to SRM on SECY-96-147 Regarding Reducing Need for Exemptions and Consistency of the Exemption Process." The LTS worksheet was modified to contain exemption data fields that should be annotated to identify the section of the regulation to which a proposed exemption was granted, requested, and denied. For example, if an exemption is granted to allow relief from 10 CFR 35.647 (to extend the time for servicing and inspection of a teletherapy unit), then the entry should be "35.647." **Do not use abbreviations or entries other than the specific section of the regulation.** If an exemption is not effective after a specific date, then the date should be entered in the LTS in parentheses following the section, i.e., 35.647 (8/31/98).

The exemption field names and synonyms are:

EXEMP_GRANTED / EXGRANTD	(55 characters)
EXEMP_REQSTD / EXREQSTD	(55 characters)
EXEMP_DENIED / EXDENIED	(55 characters)

F.2 Standard LTS Input Abbreviations

<u>Original Entry</u>	<u>Changed (Mandatory) Entry</u>
Administration (other than Veterans)	Adm.
and	&
Associated, Associates, or Association	Assoc.
Center	Ctr.
Company	Co.
Corporation	Corp.
County	Cty.
Fort	Ft.
Government	Gov't.
Incorporated	Inc.
Industries, Industry	Ind.
Institute, Institution	Inst.
Laboratories	Labs.
Laboratory	Lab.
Limited	Ltd.

Manufacturing	Mfg.
M.D.	MD.
Metropolitan	Metro.
Mount	Mt.
Saint	St.
System, Systems	Sys.
United States	U. S.
Veterans Affairs	V. A.

F.3 Examples of Standard LTS Inputs

Original Entry	Changed (Mandatory) Entry
General Services Administration	General Services Adm.
General Tire and Rubber Company	General Tire & Rubber Co.
Geo-Tech Associates	Geo-Tech Assoc.
Saint Luke's Medical Center	St. Luke's Medical Ctr.
Oil Recovery Company Incorporated	Oil Recovery Co., Inc.
Ohio Valley Paving Corporation	Ohio Valley Paving Corp.
Smyth County Community Hospital	Smyth Cty. Community Hospital
Fort Howard Paper Company	Ft. Howard Paper Co.
Government of District of Columbia	District of Columbia, Gov't. of
Ford, Bacon and Davis Incorporated	Ford, Bacon, & Davis, Inc.
Electromagnetic Industries	Electromagnetic Ind.
Gateway Technical Institute	Gateway Technical Inst.
Gamma Diagnostic Laboratories, Incorporated	Gamma Diagnostic Labs., Inc.
Immuno-Diagnostic Laboratory, Incorporated	Immuno-Diagnostic Lab., Inc.
Trutom Limited	Trutom Ltd.
Vulcan Manufacturing Company	Vulcan Mfg. Co.
Mabee, M.D., Judson 0.	Mabee MD., Judson 0.
Madison Metropolitan Sewerage District	Madison Metro. Sewerage District
Mount Carmel Medical Center	Mt. Carmel Medical Ctr.
Institute for Cancer Research	Inst. for Cancer Research
Saint Joseph's Hospital	St. Joseph's Hospital
Midwest Inspection Service Limited	Midwest Inspection Service Ltd.

Advanced Medical Systems Incorporated	Advanced Medical Sys., Inc.
United States Postal Service	U. S. Postal Service
Department of Veterans Affairs	V. A., Dept. of

F.4 LTS Input Notes

- One space between initials (e.g., J. B. Thomas Hospital).
- A comma between a word and Incorporated (e.g., Moorehead Electric Co., Inc.).
- A period at the end of abbreviations (e.g., Mt. Desert Island Biological Lab.).
- An apostrophe followed by an "s" for names (e.g., St. Peter's Medical Ctr.).
- No spaces between hyphenated words (e.g., Stalex-Ruetter, Inc.).
- List the city or state before "Department of" or "Government of" (e.g., Indiana, Department of Highways or District of Columbia, Gov't. of). Should be alphabetized under the city or state name and not "Department" or "Gov't."
- List university name before "University of" (e.g., Virginia, University of). Should be alphabetized under university name and not "University."
- All names should be alphabetized by their last name, followed by either Jr., MD., etc., with a comma separating the last from the first name, followed by a middle initial (e.g., Deluca Jr., Ph.D., Paul M.).
- Use the two-letter state abbreviations at the end of the line (e.g., Atec Assoc. of MD, Inc.).
- You are limited to 35 spaces per licensee name. Use all the abbreviations you can; if the name appears over 35 spaces, the computer will automatically cut the name off.

Appendix G: LTS Program Code Descriptions

PROGRAM CODES USED IN MATERIALS AND FUEL LICENSING AND INSPECTION PROGRAMS

A five-digit program code number is assigned by NRC to each license to designate the major activity or principal use authorized in the license. Table 1 contains a listing of the program codes used in this document. The regulations applicable to the various activities and uses of byproduct, source, and special nuclear materials are contained in 10 CFR Parts 30, 40 and 70, respectively. A basic understanding of these regulations is a necessary prerequisite to the proper assignment of a program code to a specific activity or use. NRC uses approximately 100 program codes to classify the thousands of active licenses. (See Table 2 for general information on license numbers.) Some of these program codes used for defining authorized uses narrowly define an activity, such as radiography, while other program codes are more extensive in scope. More than one code may apply to a given license; however, the primary code denotes the licensee's principal use of material. A secondary code or codes may be used to indicate other significant uses.

"**BROAD**" licenses are issued to large facilities having a more comprehensive radiological protection program. These licenses authorize possession of a wide variety of radioactive materials without having each radionuclide and authorization listed on the license. There are three types of broad licenses - Type A, Type B and Type C. It should be noted that broad licensees can be authorized to use up to 100,000 curies in sealed sources for irradiation of materials (see 10 CFR 33.17). Most broad licenses are Type A. (For a clear understanding of these three types, see 10 CFR Part 33.)

Broad-Type A licenses are issued pursuant to 10 CFR 33.13 and typically authorize possession of any byproduct material with an atomic number between 1 and 83, in any chemical or physical form. The maximum possession limit is usually specified both for the individual radionuclide and for the total activity of all radionuclides. These licensees must have a Radiological Safety Officer and a committee that acts in the place of NRC to make day-to-day decisions about the program.

Broad-Type B licenses are issued pursuant to 10 CFR 33.14 and authorize possession of a variety of radionuclides. The maximum possession limit is specified in 10 CFR 33.100, Schedule A, Column I. Broad-Type B licensees must have a Radiological Safety Officer and adequate administrative controls.

Broad-Type C licenses are issued pursuant to 10 CFR 33.15 and authorize possession of a variety of radionuclides. The maximum possession limit is specified in 10 CFR 33.100, Schedule A, Column II. Broad-Type C licensees must have training and experience as specified in the regulations, and the licensee must have adequate administrative controls.

"**OTHER**" licenses are usually issued to smaller organizations requiring a more restrictive license. These licenses are usually more specific in identifying each radionuclide, the chemical and physical form, and the authorized activities and users.

Materials licensing and inspection fee categories are described in 10 CFR Parts 170.31 and

171.16. Multiple fee categories may apply for different activities performed under a single license. The Omnibus Budget Reconciliation Act of 1990, as amended, requires that NRC recover 100 percent of its budget authority, less appropriations from the Nuclear Waste Fund, by assessing license and annual fees. The fee categories listed in the following pages are a guide to which are most likely to occur for the program code. In order to determine if a fee exemption may apply, one must refer to 10 CFR 170.11 and 171.11. For multiple categories, they are arranged in order of decreasing likelihood. The Office of the Chief Financial Officer (OCFO) determines fee categories and fee exemption requests on a case-by-case basis, using the licensed material and the authorized use description included in the license. Questions regarding fee issues must be referred to OCFO.

The fuel cycle facility inspection program is described in NRC Inspection Manual, Chapter 2600 (MC 2600). The inspection frequency for the various procedures at these facilities is described in Table 1 of MC 2600.

Inspection priorities for materials licenses are described in detail in NRC Inspection Manual Chapter 2800 (MC 2800) and noted at the end of each program code description on this list.

Inspections are generally conducted as follows:

Initial inspection of licenses in categories with priorities 1 through 5 are conducted within 6 months after material is received and operations under the license have begun. Initial inspections of licenses in categories with priorities 6 and 7 are conducted within one year.

Routine periodic inspections are normally conducted at intervals in years corresponding to the inspection priority for that category:

Priority 1-yearly,

Priority 2-every two years,

Priority 3-every three years,

Priority 4-every four years and

Priority 5-every five years.

Priorities 6 and 7 are inspected initially and thereafter normally only for resolution of problems.

Priority W-for walk-in or pool type irradiators under construction (MC 2815).

Historically, inspection program categories were used when all licensing was managed at NRC Headquarters. At that time, the Regions used program codes to denote types of licensees, which served the same function as the Headquarters' inspection program categories. After regionalization, when almost all licensing was transferred to the Regions, both designations continued to be used. The following were the meanings of the inspection program category codes:

Category	Examples
A-Source Material	Unsealed PU (22110) & U 235 (22111)
B-Process and Distribution	Medical Products (02511, 02512, 02513)

C-Radiography	Radiography Fixed (03310) & Field (03320) [C1]
D-Waste Brokers	Waste Disposal Prepackaged (03232) [D1] & Incineration (03233)
E-Industrial	R&D Type A (03610) [E1A], Well Logging (03110-03113), Critical Mass Material (21310, 21320) [E1C]
F-Academic	Academic Broad (01100, 01110, 01120) [F1A-F1C]
G-Medical	Teletherapy (02125) [G3], HDRs (02230, 02231) [G2]
K-Various	Fixed Gauges (03120), Civil Defense (03710)
UFF-Uranium Fuel Fabrication	Hot Cell Operations (21130)

Although inspection program categories are not routinely used, they periodically appear in documents and are denoted here only for historical systems.

Table 1

<u>Program Code</u>	<u>Title</u>
01100	Academic Type A Broad
01110	Academic Type B Broad
01120	Academic Type C Broad
02110	Medical Institution Broad
02120	Medical Institution - QMP required
02121	Medical Institution - QMP not required
02200	Medical Private Practice - QMP required
02201	Medical Private Practice - QMP not required
02210	Eye Applicators Strontium-90
02220	Mobile Nuclear Medicine Service
02230	High Dose Rate Remote Afterloader
02231	Mobile High Dose Rate Remote Afterloader
02240	Mobile Therapy
02300	Teletherapy
02310	Stereotactic Radiosurgery - Gamma Knife
02400	Veterinary Non-Human
02410	In Vitro Testing Laboratories

02500	Nuclear Pharmacies
02511	Medical Product Distribution - 32.72 - Prepared Radiopharmaceuticals
02513	Medical Product Distribution - 32.74 - Sources and Devices
03110	Well Logging Byproduct and/or SNM Tracer and Sealed Sources
03111	Well Logging Byproduct and/or SNM Sealed Sources Only
03112	Well Logging Byproduct Only - Tracers Only
03113	Field Flooding Studies
03120	Measuring Systems Fixed Gauges
03121	Measuring Systems Portable Gauges
03122	Measuring Systems Analytical Instruments
03123	Measuring Systems Gas Chromatographs
03124	Measuring Systems Other
03211	Manufacturing and Distribution Type A Broad
03212	Manufacturing and Distribution Type B Broad
03213	Manufacturing and Distribution Type C Broad
03214	Manufacturing and Distribution Other
03218	Nuclear Laundry
03219	Decontamination Services
03220	Leak Test Service Only
03221	Instrument Calibration Service Only - Source Less Than 100 Curies
03222	Instrument Calibration Service Only - Source Greater Than 100 Curies
03225	Other Services
03231	Waste Disposal (Burial)
03232	Waste Disposal Service Prepackaged Only
03233	Waste Disposal Service Incineration
03234	Waste Disposal Service Processing and/or Repackaging
03235	Incineration-Noncommercial (Secondary Code)
03236	Waste Treatment Service (other than compaction)
03240	General License Distribution - 32.51
03241	General License Distribution - 32.53
03242	General License Distribution - 32.57
03243	General License Distribution - 32.61
03244	General License Distribution - 32.71
03250	Exempt Distribution - 32.11 - Exempt Concentrations and Item

03251	Exempt Distribution - 32.14 - Certain Items
03252	Exempt Distribution - 32.17 - Resins
03253	Exempt Distribution - 32.18 - Small Quantities
03254	Exempt Distribution - 32.22 - Self Luminous Products
03255	Exempt Distribution - 32.26 - Smoke Detectors
03256	Exempt Distribution - 32.21 - C14 Urea Capsules
03310	Industrial Radiography Fixed Location
03320	Industrial Radiography Temporary Job Sites
03510	Irradiators Self Shielded Less Than 10000 Curies
03511	Irradiators Other Less Than 10000 Curies
03520	Irradiators Self Shielded Greater Than 10000 Curies
03521	Irradiators Other Greater Than 10000 Curies
03610	Research and Development Type A Broad
03611	Research and Development Type B Broad
03612	Research and Development Type C Broad
03613	R & D Broad - Multisite-Multiregional
03620	Research and Development Other
03710	Civil Defense
03800	Byproduct Material Possession Only - Permanent Shutdown
03810	Byproduct Material Standby - No Operations
03900	Decommissioning of Byproduct Material Facilities
06100	Low Level Waste Storage at Reactor Sites
06101	Low Level Waste Storage - Other (Secondary Code)
11100	Mills
11200	Source Material Other Less Than 150 Kilograms
11210	Source Material Shielding
11220	Source Material Military Munitions - Indoor Testing
11221	Source Material Military Munitions - Outdoor Testing
11230	Source Material General License Distribution - 40.34
11300	Source Material Other Greater Than 150 Kilograms
11400	Uranium Hexafluoride (UF ₆) Production Plants
11500	Solution Mining (R & D and Commercial Facilities)
11600	Heap Leach, Ore Buying Stations and Byproduct Recovery
11700	Rare Earth Extraction and Processing

11800	Source Material Possession Only - Permanent Shutdown
11810	Source Material Standby - No Operations
11900	Decommissioning of Source Material Facilities
21130	Hot Cell Operations
21135	Decommissioning of Advanced Fuel R & D and Pilot Plants
21200	Uranium Enrichment Plants
21210	Uranium Fuel Processing Plants
21215	Decommissioning of Uranium Fuel Processing Plants
21240	Uranium Fuel R & D and Pilot Plants
21310	Critical Mass Material - Universities
21320	Critical Mass Material - Other Than Universities
21325	Decommissioning of Critical Mass - Other Than Fuel Fabrication
22110	SNM Plutonium - Unsealed Less Than a Critical Mass
22111	SNM U-235 and/or U-233 Unsealed Less Than a Critical Mass
22120	SNM Plutonium - Neutron Sources Less Than 200 Grams
22130	Power Sources With Byproduct and/or Special Nuclear Material
22140	SNM Plutonium - Sealed Sources in Devices
22150	SNM Plutonium - Sealed Sources Less Than a Critical Mass
22151	SNM U-235 and/or U-233 Sealed Sources Less Than a Critical Mass
22160	Pacemaker Byproduct and/or SNM - Medical Institution
22161	Pacemaker Byproduct and/or SNM - Individual
22162	Pacemaker Byproduct and/or SNM - Manufacturing and Distribution
22170	SNM General License Distribution (70.39)
22200	Decommissioning of Other SNM Facilities - Less Than Critical Mass
23100	Fresh Fuel Storage at Reactor Sites
23200	Interim Spent Fuel Storage
23300	SNM Possession Only (Non-Fuel) - Permanent Shutdown
23310	SNM Standby (Non-Fuel) - No Operations
25110	Transport - Private Carriage

Table 2

Part 30 Licenses

A Part 30 license number has the following format: xx-xxxxx-xx.

The first two digits are the state code. The middle five digits are the institutional code assigned by the LA, which is the same for each license for each physical location. The last two digits are an identification number. There will be a different identification number for each license held by the same institution.

In addition, a license suffix follows certain license types.

License Suffixes

xx-xxxxx-xxG	General (Distribution)
xx-xxxxx-xxE	Exempt (Distribution)
xx-xxxxx-xxMD	Medical Distribution
xx-xxxxx-xxMA	Medical Approval (no longer used)

Part 40 Licenses

The license number for a Part 40 license is composed of three letters followed by a number.

The first letter is always 'S'.	
The second letter can be U, T, or M:	
U-Uranium Only	
T-Thorium Only	
M-Both Uranium and Thorium	
The third letter can be A, C, D, E, or B:	
A-Manufacture/Possession of Ore	
C-Storage Only	
D-Sub Critical Assembly	
E-Export	
B-Everything Else	

The identification number that follows the three letter code is assigned chronologically by Headquarters.

For example, SMC-xxx is a Part 40 license that covers both uranium and thorium storage.

Part 70 Licenses

All Part 70 licenses are composed of the same three letter code, 'SNM,' followed by an identification number, which is assigned chronologically by Headquarters.

BYPRODUCT MATERIAL PROGRAM CODES

Byproduct materials are man-made radioactive materials (except special nuclear material) produced or made radioactive by exposure to the radiation incident to the process of producing or using special nuclear materials such as in a nuclear reactor. Byproduct material includes

activation products from nuclear reactors and from plutonium-beryllium neutron sources, but it does not include activation products from other neutron sources, such as californium-252 or accelerators. (See 10 CFR 30.4 and 40.4 for a definition of byproduct material.)

Academic Broad and Academic Other Licenses

Academic Broad and Academic Other licenses are issued to educational institutions for the possession and use of radionuclides for teaching, training, and some research purposes, such as carbon-14 dating, equipment calibration, tracer studies and the identification of substances in compounds.

<u>Academic Broad-Type A</u>	<u>Program Code 01100</u>
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Academic Broad-Type A licenses are issued to larger institutions where there is a diversity in the use of various radionuclides. The kinds and uses of radionuclides may change frequently, even within the same institution. Quantities are usually in the multicurie range. The "Authorized Use" condition on these licenses may permit teaching and training of students, research and development (as defined in 10 CFR 30.4, or laboratory research, including animal studies. If the "Authorized Use" includes medical research, diagnosis, and/or therapy, the license should be listed under program code 02110 (Medical Institution Broad), with this program code as a secondary code. (See Regulatory Guides 10.5 and 10.8 for further explanation.)

10 CFR Citation: Part 33.13	Inspection Program Category: F1A Priority: 2
Fee Category: Applicable to the Licensed Activity	
10 CFR 170.31 License Fee (exemption in §170.11 may apply) 10 CFR 171.16 Annual Fee (exemption in §171.11 may apply)	

<u>Academic Broad-Type B</u>	<u>Program Code 01110</u>
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Academic Broad-Type B licenses are issued for the possession and use of fewer radionuclides and in smaller quantities than Type A licenses. (See Part 33.100, Schedule A, Column I.)

10 CFR Citation: Part 33.14	Inspection Program Category: F1B Priority: 3
Fee Category: Applicable to the Licensed Activity	

10 CFR 170.31 License Fee (exemption in §170.11 may apply)	
10 CFR 171.11 Annual Fee (exemption in §171.11 may apply)	

<u>Academic Broad-Type C</u>	<u>Program Code 01120</u>
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Academic Broad-Type C licenses are issued for the possession and use of a limited number of radionuclides and in smaller quantities than Type B licenses. (See Part 33.100, Schedule A, Column II.)

10 CFR Citation: Part 33.1	Inspection Program Category: F1C Priority: 5
Fee Category: Applicable to the Licensed Activity	
10 CFR 170.31 License Fee (exemption in §170.11 may apply)	
10 CFR 171.11 Annual Fee (exemption in §171.11 may apply)	

Medical Institutions

A medical institution is defined in 10 CFR 35.2 to be an organization in which several medical disciplines are practiced. It typically provides 24-hour per day medical, surgical, or psychiatric treatment, nursing, food, lodging, etc., to ill or injured patients. Medical Institution Broad and Medical Institution Limited licenses are issued to organizations for the application of byproduct material, or its radiation, to humans. Radioactive material administered to patients is considered to be an *in vivo* procedure. (Use of radioactive material in test tubes in the laboratory is considered to be an *in vitro* procedure, and these licensees are in program code 02410.) Separate licenses are issued to authorize HDRs, teletherapy, and gamma knives. These licensees are listed under program codes 02230, 02300, and 02310.

<u>Medical Institution Broad</u>	<u>Program Code 02110</u>
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Medical Institution Broad licenses are issued to larger medical institutions for the possession and use of a wide range of radionuclides in medical research, diagnosis, and therapy. These licensees have Radiation Safety Committees, and these committees are allowed to authorize their own users. Some medical institutions have "hybrid broad" licenses. These licenses authorize routine clinical procedures using the Group medical licensing system and include a Broad-Type A,

Broad-Type B or Broad-Type C authorization for research. These licenses should be assigned program code 02120 for the primary code and 03610, 03611 or 03612, as appropriate, for the secondary code.

10 CFR Citation: Parts 33.13-15 and 35	Inspection Program Category: G1 Priority: 1
Fee Category: 7B	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

Medical Institution - QMP Required Program Code 02120

Medical Institution - QMP Required licenses are issued to medical institutions required to have a quality management program pursuant to 10 CFR 35.32. This applies to licenses that authorize: (1) any teletherapy; (2) any gamma stereotactic radiosurgery; (3) any brachytherapy; (4) any administration of either sodium iodide I-125 or I-131 in quantities greater than 30 microcuries; or (5) any therapeutic administration of a radiopharmaceutical other than sodium iodide I-125 or I-131. In general, this code should be used as the primary program code *only* for nuclear medicine and emerging technologies. When licenses satisfy the description of other, more specific program codes (i.e., teletherapy, gamma knife, etc.), the more specific program code should be used as the primary code.

10 CFR Citation: Part 35.32	Inspection Program Category: N/A Priority: 3
Fee Category: 7B	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

Medical Institution - QMP Not Required Program Code 02121

Medical Institution - QMP Not Required licenses are issued to medical institutions *not* required to have a quality management program pursuant to 10 CFR 35.32 (See program code 02120). In general, this code should be used as the primary program code *only* for nuclear medicine and emerging technologies. When licenses satisfy the description of other, more specific program codes (i.e., teletherapy, gamma knife, etc.), the more specific program code should be used as the primary code.

10 CFR Citation: Part 35.32	Inspection Program Category: N/A Priority: 5
Fee Category: 7B	

10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Medical Private Practice Licenses

Medical Private Practice licenses are issued, pursuant to 10 CFR 35.12, to a physician or physicians for the possession and use of radionuclides in well-established diagnostic and therapeutic procedures, usually in their offices outside a medical institution. Separate licenses are issued to authorize HDRs, teletherapy, and gamma knives. These licensees are listed under program codes 02230, 02300, and 02310.

Medical Private Practice - QMP Required

Program Code 02200

Medical Private Practice - QMP Required licenses are issued to a physician or physicians required to have a quality management program pursuant to 10 CFR 35.32. This applies to licenses that authorize: (1) any teletherapy; (2) any gamma stereotactic radiosurgery; (3) any brachytherapy; (4) any administration of either sodium iodide I-125 or I-131 in quantities greater than 30 microcuries; or (5) any therapeutic administration of a radiopharmaceutical other than sodium iodide I-125 or I-131. In general, this code should be used as the primary program code *only* for nuclear medicine and emerging technologies. When licenses satisfy the description of other, more specific program codes (teletherapy, gamma knife, etc.), the more specific program code should be used as the primary code.

10 CFR Citation: Part 35.32

Inspection Program Category: N/A
Priority: 3

Fee Category: 7C

10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Medical Private Practice - QMP Not Required

Program Code 02201

Medical Private Practice - QMP Not Required licenses are issued to a physician or physicians *not* required to have a quality management program pursuant to 10 CFR 35.32 (see program code 02200). In general, this code should be used as the primary program code *only* for nuclear medicine and emerging technologies. When licenses satisfy the description of other, more specific program codes (i.e., teletherapy, gamma knife, etc.), the more specific program code should be used as the primary code.

10 CFR Citation: Part 35.32

Inspection Program Category: N/A
Priority: 5

Fee Category: 7C	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

<u>Eye Applicators Sr-90</u>	Program Code 02210
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Eye Applicator licenses are issued to a physician or physicians for the possession and use of a device containing a strontium-90 source to treat superficial eye diseases.

10 CFR Citation: Parts 35.11 and 35.12	Inspection Program Category: G2 Priority: 3
Fee Category: 7C	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

<u>Mobile Nuclear Medicine Service</u>	Program Code 02220
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Mobile Nuclear Medicine Service licenses are issued to a physician or physicians for the receipt of radioactive material at a central facility and preparation of patient doses to be administered at outlying small hospitals, nursing homes, etc., where clinical studies are conducted. (If a medical institution conducts a mobile nuclear medicine service, in addition to performing routine diagnostic and therapeutic procedures at its own location, the license should be assigned a primary program code of 02120 and a secondary program code of 02220.)

10 CFR Citation: Part 35.11 and 35.29	Inspection Program Category: G Priority: 2
Fee Category: 7C	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

<u>High Dose Rate Remote Afterloader</u>	Program Code 02230
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High Dose Rate (HDR) Remote Afterloader licenses authorize the use of large activity byproduct material sealed sources, typically 10 curies of iridium-192, for cancer brachytherapy. These

sources are connected to a wire and contained in a shielded device that feeds the source into the patient via a catheter. (If a medical institution or private practice performs HDR procedures in addition to performing diagnostic and therapeutic procedures referenced in 35.100, 35.200, 35.300, 35.400, and 35.500, the license should be assigned a primary program code of 02230 and secondary program codes of 02120, 02121, 02200, 02201, or 02500.)

10 CFR Citation: Part 35.400	Inspection Program Category: G2 Priority: 1
Fee Category: 7C	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

<u>Mobile High Dose Rate Remote Afterloader</u>	<u>Program Code 02231</u>
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Mobile High Dose Rate Remote Afterloader licenses authorize the use of large activity byproduct material sealed sources, typically 10 curies of iridium-192, which are transported to outlying small hospitals, nursing homes, etc., for cancer brachytherapy. These sources are connected to a wire and contained in a shielded device that feeds the source into the patient via a catheter. (If a medical institution conducts brachytherapy at outlying locations using a mobile high dose rate remote afterloader in addition to performing the routine diagnostic and therapeutic procedures referenced in 35.100, 35.200, 35.300, 35.400, and 35.500 at the permanent site, the license should be assigned a primary program code of 02231 and secondary program codes of 02120, 2121, or 02500.)

10 CFR Citation: Part 35.400	Inspection Program Category: G2 Priority: 1
Fee Category: 7C	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

<u>Mobile Therapy</u>	<u>Program Code 02240</u>
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Mobile Therapy licenses authorize the use of byproduct material for cancer therapy *other than* mobile HDR (see program code 02231). Equipment for these treatments is transported to outlying small hospitals, nursing homes, etc.

10 CFR Citation: Part 35	Inspection Program Category: N/A Priority: 2
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Fee Category: Applicable to the Licensed Activity	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

<u>Teletherapy</u>	<u>Program Code 02300</u>
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Teletherapy licenses authorize the use of cobalt-60 or cesium-137 for external beam cancer therapy. Many of the teletherapy licensees also have a medical institution license (see program codes 02110, 02120, and 02121). Most of the licensees in this group also possess x-ray machines and linear accelerators that are outside NRC jurisdiction.

10 CFR Citation: Part 35.13	Inspection Program Category: G3 Priority: 3
Fee Category: 7A	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

<u>Stereotactic Radiosurgery - Gamma Knife</u>	<u>Program Code 02310</u>
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Stereotactic Radiosurgery - Gamma Knife licenses are issued for the use and possession of a gamma knife, a radiation therapy unit containing cobalt-60 that is located in a hemispherical shield with collimator ports directed to a single three-dimensional focus inside the unit. These units are used for the treatment of intracranial anomalies.

10 CFR Citation: Part 30.33	Inspection Program Category: G2 Priority: 1
Fee Category: 7A	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

<u>Veterinary Non-Human</u>	<u>Program Code 02400</u>
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Veterinary licenses are issued to veterinarians for the possession and use of radionuclides in

medical diagnosis or therapy procedures on animals. This category does not include any animal research or any of the activities described above in program codes 02110 and 02120.

10 CFR Citation: Part 30	Inspection Program Category: G2 Priority: 5
Fee Category: 3P	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

<u>In Vitro Testing Laboratories</u>	<u>Program Code 02410</u>
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In vitro Testing Laboratory licenses are issued to individuals or facilities for the possession and use of radionuclides for performing *in vitro* analyses and are not included in larger programs covered by program codes 02110 and 02120.

10 CFR Citation: Part 30	Inspection Program Category: G2 Priority: 5
Fee Category: 3P	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

<u>Nuclear Pharmacies</u>	<u>Program Code 02500</u>
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Nuclear Pharmacy licenses are issued to nuclear pharmacies for the possession and distribution of radiopharmaceuticals and other items to hospitals and physicians. These licensees usually purchase various radioactive materials in bulk from larger firms and prepare and distribute patient dosages. Note that most customers are medical use licensees.

10 CFR Citation: Part 32.72	Inspection Program Category: G1 Priority: 1
Fee Category: 3C	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

**Medical Product Distribution -
32.72 Prepared Radiopharmaceuticals**

Program Code 02513

Medical Product Distribution licenses are issued to individuals or organizations for the distribution of prepared radiopharmaceuticals containing byproduct material to persons who have been issued a specific license under Part 35.11 for the possession and medical use of byproduct material specified in Section 35.100, 35.200, or 35.300.

10 CFR Citation: Part 32.72

Inspection Program Category: B
Priority: 3

Fee Category: 3D (not involving processing of
byproduct material)
3C

10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

**Medical Product Distribution -
32.74 Sources and Devices**

Program Code 02513

Medical Product Distribution licenses are issued to individuals or organizations for the distribution of sources and devices containing byproduct material to persons who have been issued a specific license under Part 35.11 to use a calibration or reference source or for the possession and medical use of byproduct material specified in 10 CFR Parts 35.400 or 35.500.

10 CFR Citation: Part 32.74

Inspection Program Category: B
Priority: 3

Fee Category: 3D (not involving processing of
byproduct material)
3C

10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Well Logging Licenses

Well logging licenses are issued to firms for the possession and use of radionuclides for subsurface surveying to obtain geological information. These testing procedures are primarily used in oil, gas, and mineral exploration to identify subsurface geologic formations.

Well Logging Byproduct and/or SNM Tracer and Sealed Sources

Program Code 03110

Well Logging Byproduct and/or Special Nuclear Material Tracer and Sealed Sources licenses are issued for the possession and use of both sealed and unsealed sources in connection with the exploration for oil, gas, or minerals in wells.

10 CFR Citation: Parts 39.11 and 39.13

Inspection Program Category: E
Priority: 3

Fee Category: 5A

10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Well Logging Byproduct and/or SNM Sealed Sources Only

Program Code 03111

Well Logging Byproduct and/or Special Nuclear Material Sealed Sources Only licenses are issued for the possession and use of only sealed sources to be used in connection with the exploration for oil, gas, or minerals in wells. Occasionally, licenses are also issued for the study of subsurface potable aquifers.

10 CFR Citation: Parts 39.11 and 39.13

Inspection Program Category: E
Priority: 3

Fee Category: 5A

10 CFR 170.31 License Fee
10 CFR 171.16 Annual Fee

Well Logging Byproduct Only - Tracers Only

Program Code 03112

Well Logging Byproduct Only-Tracers Only licenses are issued for the possession and use of only unsealed byproduct material to be used in connection with the exploration for oil, gas, or minerals in wells.

10 CFR Citation: Parts 39.11 and 39.13

Inspection Program Category: E
Priority: 3

Fee Category: 5A

10 CFR 170.31 License Fee	
10 CFR 171.16 Annual Fee	

<u>Field Flooding Studies</u>	Program Code 03113
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Field Flooding Study licenses are issued for the injection of unsealed byproduct material into large areas for tracing oil and gas reservoirs.

10 CFR Citation: Parts 39.11 and 39.13	Inspection Program Category: E Priority: 3
Fee Category: 5B	
10 CFR 170.31 License Fee	
10 CFR 171.16 Annual Fee	

Measuring Systems

Measuring System licenses are issued for the possession and use of measuring devices such as gauges and gas chromatographs containing radionuclides. Frequently, the equipment is serviced and leak tested by the manufacturer or lessor of the equipment.

<u>Measuring Systems Fixed Gauges</u>	Program Code 03120
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Measuring Systems Fixed Gauge licenses are issued for the possession and use of nonportable gauging devices, i.e., gauges mounted in fixed locations that are designed for measurement or control of material density, flow, level, thickness, or weight, etc. The gauges contain sealed sources that radiate through the substance being measured to a readout or controlling device.

10 CFR Citation: Part 30.33	Inspection Program Category: K Priority: 5
Fee Category: 3P	
10 CFR 170.31 License Fee	
10 CFR 171.16 Annual Fee	

<u>Measuring Systems Portable Gauges</u>	Program Code 03121
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Measuring Systems Portable Gauge licenses are issued for the possession and use of a portable

gauging device, such as a moisture density gauge used at field locations. These gauges contain a gamma-emitting sealed source, usually cesium-137, and/or a sealed neutron source, usually americium-241 and beryllium.

10 CFR Citation: Part 30.33	Inspection Program Category: E1 Priority: 5
Fee Category: 3P	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

<u>Measuring Systems Analytical Instruments</u>	<u>Program Code 03122</u>
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Measuring Systems Analytical Instrument licenses are issued for the possession and use of analytical systems such as x-ray fluorescence analyzers that do not fit any of the other measuring system category descriptions.

10 CFR Citation: Part 30.33	Inspection Program Category: E2 Priority: 7
Fee Category: 3P	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

<u>Measuring Systems Gas Chromatographs</u>	<u>Program Code 03123</u>
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Measuring Systems Gas Chromatograph licenses are issued for the possession and use of gas chromatographs to be used for quality control testing in industrial processes.

10 CFR Citation: Part 30.33	Inspection Program Category: K Priority: 7
Fee Category: 3P Fee	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

<u>Measuring Systems Other</u>	<u>Program Code 03124</u>
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Measuring System Other licenses are issued for the possession and use of instrument calibrators, krypton leak detectors, and other measuring systems that do not fit the category descriptions for the measuring system categories (program codes 03120-03123). **Note:** Although this program code was previously used for "storage-only" of byproduct, source and special nuclear material, program codes 3800, 3810, 11800, 11810, 23300, and 23310 should be used for "storage-only."

10 CFR Citation: Part 30.33	Inspection Program Category: K Priority: 7
Fee Category: 3P	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

Manufacturing and Distribution

Manufacturing and Distribution Broad, and Manufacturing and Distribution Other licenses are issued for the manufacture and distribution of products containing byproduct material in various forms for a number of diverse purposes. The products are distributed usually to persons specifically licensed by NRC or an Agreement State. Licensees include medical suppliers that process, package, and distribute products such as diagnostic test kits, radioactive surgical implants, and tagged radiochemicals for use in medical, academic and industrial research, and for diagnosis and therapy. Licensees are also suppliers who, after purchasing bulk quantities of byproduct material, process, encapsulate, package, and distribute these sealed sources for use in gamma radiography, cobalt irradiation, well logging, etc. Major products include gamma radiography sources, cobalt irradiation sources, well logging sources, sources for gauges and smoke detectors, and radiochemicals for non-medical research. Firms are also involved with the manufacture, assembly, and distribution of various other products that contain radionuclides. The broad licenses are issued to the larger facilities having more comprehensive radiological protection programs. It is also interesting to note that distribution is authorized under a separate license with, for example, an "E" or "G" suffix.

<u>Manufacturing and Distribution Broad-Type A</u>	<u>Program Code 03211</u>
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Manufacturing and Distribution Broad-Type A licenses are issued to larger organizations where there is often quite a diversity in the use of various radionuclides. The kinds and uses of radionuclides may change frequently, even within the same organization. Broad-Type A licenses are used for programs run by a Radiation Safety Committee that designates the authorized users of the material. The Radiation Safety Committee also has a full-time Radiation Safety Officer (RSO). These licenses authorize the possession and use of a wide variety of radioactive material without having each radionuclide and authorization specifically listed on the license. Quantities are usually in the multicurie range. (See also the introductory remarks and Broad-Type A description in 10 CFR Part 33.)

10 CFR Citation: Part 33.13	Inspection Program Category: B Priority: 1
Fee Category: 3A	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

<u>Manufacturing and Distribution Broad-Type B</u>	<u>Program Code 03212</u>
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Manufacturing and Distribution Broad-Type B licenses are issued for the possession and use of fewer radionuclides and in smaller quantities than for Type A licenses. (See Part 33.100, Schedule A, Column I. See also the introductory remarks and Broad-Type B description in 10 CFR Part 33.)

10 CFR Citation: Part 33.14	Inspection Program Category: E Priority: 3
Fee Category: 3A	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

<u>Manufacturing and Distribution Broad-Type C</u>	<u>Program Code 03213</u>
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Manufacturing and Distribution Broad-Type C licenses are issued for the possession and use of a limited number of radionuclides and in smaller quantities than for Type B licenses. (See Part 33.100, Schedule A, Column II. See also the introductory remarks and Broad-Type C description in 10 CFR Part 33.)

10 CFR Citation: Part 33.15	Inspection Program Category: E1C Priority: 5
Fee Category: 3A	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

<u>Manufacturing and Distribution Other</u>	<u>Program Code 03214</u>
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Manufacturing and Distribution Other licenses are issued to smaller firms that require a more restrictive license.

10 CFR Citation: Part 30	Inspection Program Category: E Priority: 3
Fee Category: 3B	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

<u>Nuclear Laundry</u>	Program Code 03218
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Nuclear Laundry licenses are issued for the cleaning of protective clothing contaminated with radioactive material. Firms in this industry often provide nuclear cleaning services as part of a full line of uniform rental or health physics services.

10 CFR Citation: Part 30.33	Inspection Program Category: E Priority: 2
Fee Category: 6A	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

<u>Decontamination Services</u>	Program Code 03219
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Decontamination Services licenses authorize the cleaning and release of contaminated material, usually scrap metal, for unrestricted use.

10 CFR Citation: Part 30.33	Inspection Program Category: E Priority: 2
Fee Category: 3N	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

<u>Leak Test Service Only</u>	Program Code 03220
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Leak Test Service Only licenses are issued to commercial service organizations (those that offer their services to other licensees) for the possession and use of radioactive material for leak testing sealed sources or devices containing sealed sources, analyzing leak test samples, and supplying pre-registered leak test kits. Many facilities own or lease equipment, such as gauges or industrial radiographic cameras, containing sealed sources that have to be periodically tested for removable contamination. This is usually done by wiping the potentially contaminated surfaces of the device or, in some cases, the surface of the sealed source, and analyzing the wipe for radioactive contamination.

10 CFR Citation: Part 30.33	Inspection Program Category: K Priority: 7
Fee Category: 3P	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

<u>Instrument Calibration Service Only, Source Less Than 100 Curies</u>	<u>Program Code 03221</u>
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These Instrument Calibration Service Only licenses are issued to commercial service organizations (those that offer their services to other licensees) for the possession and use of sealed sources for calibration of radiation survey and monitoring instruments. Each source must have less than 100 curies (3.7 TBq) of radioactive material.

10 CFR Citation: Part 30.33	Inspection Program Category: K Priority: 5
Fee Category: 3P	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

<u>Instrument Calibration Service Only, Source Greater Than 100 Curies</u>	<u>Program Code 03222</u>
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These Instrument Calibration Service Only licenses are issued to service organizations (those that offer their services to other licensees) for the possession and use of sealed sources for commercial calibration of radiation survey and monitoring instruments. One or more sources has more than 100 curies (3.7 TBq) of radioactive material.

10 CFR Citation: Part 30.33	Inspection Program Category: E Priority: 3
Fee Category: 3P	

10 CFR 170.31 License Fee	
10 CFR 171.16 Annual Fee	

<u>Other Services</u>	<u>Program Code 03225</u>
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Other Services licenses are issued to service organizations (those that offer their services to other licensees) for the possession and use of radioactive material for commercial services, such as teletherapy or industrial gauge servicing, that are not covered in the descriptions for program codes 03220-03224.

10 CFR Citation: Part 30.33	Inspection Program Category: K Priority: 3
Fee Category: 3N	
10 CFR 170.31 License Fee	
10 CFR 171.16 Annual Fee	

Waste Disposal Service

Waste disposal service licenses authorize the collection, transportation, and storage of radioactive wastes. These licenses authorize firms to collect packaged waste material, transport the waste, and temporarily store it before transporting the waste to an authorized burial ground. Some licenses authorize the opening of packages and treatment of the waste to reduce the volume, e.g., compaction.

<u>Waste Disposal (Burial)</u>	<u>Program Code 03231</u>
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Waste Disposal (Burial) licenses authorize the commercial disposal of radioactive wastes containing byproduct, source, and special nuclear material received from other persons. They are also used as a secondary code for organizations authorized to dispose of their own waste (non-commercial).

10 CFR Citation: Parts 27, 30 and 61	Inspection Program Category: N/A Priority: 1
Fee Category: 4A	
10 CFR 170.31 License and Inspection Fee	
10 CFR 171.16 Annual Fee	

Waste Disposal Service Prepackaged Only	Program Code 03232
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Waste Disposal Service Prepackaged Only licenses authorize the pick-up, transportation, and storage of only already packaged wastes. This license does not authorize the opening of the packages.

10 CFR Citation: Part 30.33	Inspection Program Category: D1 Priority: 2
Fee Category: 4C	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

Waste Disposal Service Incineration	Program Code 03233
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Waste Disposal Service Incineration licenses authorize the commercial receipt of wastes from other persons and disposal of the wastes by incineration.

10 CFR Citation: Parts 20.2004 and 30.33	Inspection Program Category: D Priority: 1
Fee Category: 4A	
10 CFR 170.31 License and Inspection Fee 10 CFR 171.16 Annual Fee	

Waste Disposal Service Processing and/or Repackaging	Program Code 03234
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Waste Disposal Service Processing and/or Repackaging licenses authorize the receipt of packaged wastes from other persons, opening of the packages, compacting and repackaging of wastes, and transfer to an authorized burial ground for disposal.

10 CFR Citation: Part 30.33	Inspection Program Category: D Priority: 1
Fee Category: 4B	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

<u>Incineration, Non-Commercial</u>	<u>Program Code 03235</u>
SECONDARY CODE ONLY	

Incineration, Non-Commercial licenses are issued to organizations authorized to incinerate their own radioactive wastes, pursuant to 10 CFR 20.2004.

10 CFR Citation: Part 20.2004 and 30.33	Inspection Program Category: N/A Priority: N/A
Fee Category: See Primary Code	

<u>Waste Treatment Service (Other Than Compaction)</u>	<u>Program Code 03236</u>
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Waste Treatment Service (Other Than Compaction) licenses authorize both the receipt of wastes from other persons and treatment operations more complicated than compacting and repackaging of wastes, and the transfer to an authorized burial ground for disposal. Waste Treatment Service licenses authorize the physical or chemical treatment of contaminated soil and other solid, liquid, and gaseous wastes. Such waste treatment authorizes removing radioactive materials from waste, reducing the volume of the waste, changing the form of waste, or other similar operations to allow for the transfer of the treated waste to an interim storage facility or an authorized burial ground for disposal. For contaminated soil or water, this includes activities related to site evaluation before waste treatment. This code should *not* be used for incineration. Program codes 03233 or 03235 (secondary code) should be used for incineration.

10 CFR Citation: Part 30.33 and 40.32	Inspection Program Category: N/A
Fee Category: 4A	
10 CFR 170.31 License and Inspection Fee 10 CFR 171.16 Annual Fee	

General License Distribution

General License Distribution licenses are issued for the distribution of byproduct material, usually sealed sources in devices, to general licensees. Examples of such items are: gauges, luminous aircraft safety devices, calibration and reference sources, ice detection devices, and *in vitro* test kits. The requirements for a license for distribution to general licensees are specified in various sections of 10 CFR Part 32. A general licensee does not need to submit a formal application and does not receive a formal license. The conditions of a general license are contained in 10 CFR Part 31. These licenses generally do not authorize possession/use and have a "G" suffix.

General License Distribution - 32.51**Program Code 03240**

General License Distribution - 32.51 licenses are issued to organizations for the transfer of byproduct material in sealed sources contained in devices to persons who may be general licensees under Part 31.5. (Licenses authorizing manufacture and distribution are described in program codes 03211-03214.) General licenses under Part 31.5 are issued to commercial and industrial firms and to research, educational, and medical institutions for possession of material in devices designed for detecting, measuring, gauging, or controlling density, thickness, radiation leakage, or chemical composition, or for producing light or an ionized atmosphere.

10 CFR Citation: Part 32.51	Inspection Program Category: E Priority: 5
Fee Category: 3J	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

General License Distribution - 32.53**Program Code 03241**

General License Distribution - 32.53 licenses are issued to organizations for the distribution of luminous aircraft safety devices to persons who may be general licensees under Part 31.7. General licenses under Part 31.7 are issued for possession and use of tritium or promethium-147 contained in luminous aircraft safety devices, where the device contains less than 10 curies (370GBq) of tritium or 300 millicuries (11.1 GBq) of promethium-147.

10 CFR Citation: Part 32.53	Inspection Program Category: E Priority: 5
Fee Category: 3J	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

General License Distribution - 32.57**Program Code 03242**

General License Distribution - 32.57 licenses are issued to organizations for the distribution of calibration or reference sources to persons who may be general licensees under Part 31.8. General licenses under Part 31.8 are issued for possession and use of americium-241 in calibration and reference sources. A person may be a general licensee under this provision only if they already possess a specific license.

10 CFR Citation: Part 32.57	Inspection Program Category: E Priority: 5
Fee Category: 3K	

10 CFR 170.31 License Fee	
10 CFR 171.16 Annual Fee	

General License Distribution - 32.61	Program Code 03243
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General License Distribution - 32.61 licenses are issued to organizations for the distribution of ice detection devices to persons who may be general licensees under Part 31.10. General licenses under Part 31.10 are issued for possession and use of strontium-90 in ice detection devices.

10 CFR Citation: Part 32.61	Inspection Program Category: E
	Priority: 5
Fee Category: 3J	
10 CFR 170.31 License Fee	
10 CFR 171.16 Annual Fee	

General License Distribution - 32.71	Program Code 03244
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General License Distribution - 32.71 licenses are issued to organizations for the distribution of byproduct material to persons who may be general licensees under Part 31.11. General licenses under Part 31.11 are issued to physicians, hospitals, clinical laboratories, or veterinarians in the practice of veterinary medicine for the possession of specified byproduct material in prepackaged units for use in certain *in vitro* clinical or laboratory tests.

10 CFR Citation: Part 32.71	Inspection Program Category: E
	Priority: 5
Fee Category: 3K	
10 CFR 170.31 License Fee	
10 CFR 171.16 Annual Fee	

Exempt Distribution

Exempt Distribution licenses are issued for the commercial distribution of byproduct material to persons who are exempt from the licensing requirements. These exemptions and their limitations, if any, are contained in 10 CFR Parts 30.14-30.20, inclusive. Examples of exempt items are: watches, balances, locks, compasses, electron tubes, synthetic plastic resin for sand consolidation, and smoke detectors. The requirements for a license to distribute byproduct material to persons exempt from licensing are contained in 10 CFR Part 32. These licenses generally do not authorize possession and have an "E" suffix.

Exempt Distribution - 32.11: Exempt Concentrations and Items	Program Code 03250
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These exempt Distribution licenses authorize: (1) the transfer of byproduct material or a product containing byproduct material owned by or in the possession of the licensee; and (2) the transfer of ownership or possession of the material or product containing the byproduct material to persons exempt from the licensing requirements of Part 30.14. The residual byproduct material in a product must be the result of use of byproduct material for another purpose, e.g., a tracer study in a refinery could result in residual contamination of the gasoline, kerosene, or heating oil being produced by the refinery.

10 CFR Citation: Part 32.11	Inspection Program Category: E2 Category: G2 Priority: 5
Fee Category: 3I	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

Exempt Distribution - 32.14: Certain Items

Program Code 03251

These exempt Distribution licenses authorize: (1) the transfer of certain products containing byproduct material, as specified in Part 30.15; or (2) the initial transfer for sale or distribution of products specified in Part 30.15 to persons exempt from licensing requirements.

10 CFR Citation: Part 32.14	Inspection Program Category: E Priority: 5
Fee Category: 3I or 3H	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

Exempt Distribution - 32.17: Resins

Program Code 03252

These exempt Distribution licenses are issued for the initial transfer for sale or distribution of synthetic plastic resins containing scandium-46 and designed for sand consolidation in oil wells to persons exempt from the licensing requirements of 10 CFR 30.16.

10 CFR Citation: Part 32.17	Inspection Program Category: E Priority: 5
Fee Category: 3I	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

Exempt Distribution - 32.18: Small Quantities	Program Code 03253
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These exempt Distribution licenses are issued for the commercial distribution of small quantities of byproduct material to persons exempt from the licensing requirements of 10 CFR 30.18.

10 CFR Citation: Part 32.18	Inspection Program Category: E Priority: 5
Fee Category: 3I	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

Exempt Distribution - 32.22: Self Luminous Products	Program Code 03254
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These exempt Distribution licenses are issued for the initial transfer of self-luminous products containing tritium, krypton-85, or promethium-147 to persons exempt from the licensing requirements of 10 CFR 30.19.

10 CFR Citation: Part 32.22	Inspection Program Category: E Priority: 5
Fee Category: 3I or 3H	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

Exempt Distribution - 32.26: Smoke Detectors	Program Code 03255
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These exempt Distribution licenses are issued for the initial transfer of gas and aerosol detectors containing byproduct material and designed to protect life or property from fire and airborne hazards to persons exempt from the licensing requirements of 10 CFR 30.20.

10 CFR Citation: Part 32.26	Inspection Program Category: E Priority: 5
Fee Category: 3H	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

Exempt Distribution - 32.21: Carbon-14 Urea Capsules	Program Code 03256
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These exempt Distribution licenses are issued for the commercial distribution of a radioactive drug containing one microcurie of carbon-14 to persons exempt from the licensing requirements of 10 CFR 30.21.

10 CFR Citation: Part 32.21	Inspection Program Category: E Priority: 5
Fee Category: 3I	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

Industrial Radiography

Industrial Radiography licenses are issued for the possession and use of sealed radioactive materials, usually in exposure devices or "cameras," that emit gamma rays for non-destructive examination of pipelines, weld joints, steel structures, boilers, aircraft, ship parts, and other high stress alloy parts. The radioisotopes most commonly used are cobalt-60 and iridium-192. Radiography can be conducted either in a permanent facility or at a temporary job site.

Industrial Radiography Fixed Location	Program Code 03310
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Industrial Radiography Fixed Location licenses are issued for the possession and use of sealed radioactive materials in exposure devices. These licenses are issued to organizations to conduct activities only at permanent facilities, usually designed and shielded for radiography; however, a "field site" could be authorized as a place of use.

10 CFR Citation: Part 34.11	Inspection Program Category: C Priority: 1
Fee Category: 3O	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

Industrial Radiography Temporary Job Sites	Program Code 03320
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Industrial Radiography Temporary Job Sites licenses are issued for the possession and use of sealed radioactive materials in exposure devices. These licenses are issued to organizations to conduct activities at multiple temporary locations.

10 CFR Citation: Part 34.11	Inspection Program Category: C1 Priority: 1
Fee Category: 3O	

10 CFR 170.31 License Fee	
10 CFR 171.16 Annual Fee	

Irradiators

Irradiator licenses are issued for the possession and use of high activity sealed sources of radioactive material in an irradiator constructed so that the sealed sources and the material being irradiated are contained in a shielded volume. Primary uses include non-human medical and non-medical research conducted chiefly by universities, and industrial uses, such as the sterilization of medical products and drugs, and treating of hardwoods, plastics, and semi-conductor materials. The radioisotopes most commonly used in these irradiators are cobalt-60 and cesium-137. Self-shielded units are designed so that the operator cannot inadvertently place any part of his/her body in the path of the beam. Units other than self-shielded units may rely on facility alarms and interlocks to prevent accidental exposure to radiation. "Irradiators Other" include units where the source is stored and/or used under water.

<u>Irradiators Self Shielded Less Than 10,000 Curies</u>	<u>Program Code 03510</u>
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These Irradiators Self Shielded licenses are issued for the possession and use of sealed sources of byproduct material in devices in which the total radioactivity is less than 10,000 curies (370 TBq). The device is constructed so that there is no external beam during use and is "usually a small cabinet type device that is not built in."

10 CFR Citation: Part 30.33	Inspection Program Category: E
	Priority: 5
Fee Category: 3E	
10 CFR 170.31 License Fee	
10 CFR 171.16 Annual Fee	

<u>Irradiators Other Less Than 10,000 Curies</u>	<u>Program Code 03511</u>
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These Irradiators Other licenses are issued for the possession and use of sealed sources of byproduct material in devices in which the total radioactivity is less than 10,000 curies (370 TBq). The device does not provide shielding from the radiation beam, so additional shielding needs to be provided and special radiation protection precautions need to be taken.

10 CFR Citation: Part 30.33	Inspection Program Category: E
	Priority: 3
Fee Category: 3F	
10 CFR 170.31 License Fee	
10 CFR 171.16 Annual Fee	

<u>Irradiators Self Shielded Greater Than 10,000 Curies</u>	<u>Program Code 03520</u>
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These Irradiators Self Shielded licenses are issued for the possession and use of sealed sources of byproduct material in devices in which the total radioactivity is 10,000 curies (30 TBq) or more. The device is constructed so that there is no external beam during use and is "usually a small cabinet type device that is not built in."

10 CFR Citation: Part 30.33	Inspection Program Category: E Priority: 3
Fee Category: 3E	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

<u>Irradiators other Greater Than 10,000 Curies</u>	<u>Program Code 03521</u>
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These Irradiators Other licenses are issued for the possession and use of sealed sources of byproduct material in devices in which the total radioactivity is 10,000 curies (370 TBq) or more. The device does not provide shielding from the radiation beam, so additional shielding needs to be provided and special radiation protection precautions need to be taken.

10 CFR Citation: Part 30.33	Inspection Program Category: E3 Priority: 1 ⁽²⁾
Fee Category: 3G	
10 CFR 170.31 License Fee 10 CFR 171.16 Annual Fee	

<u>Research and Development</u>
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Research and Development licenses are issued to private organizations, universities, and government agencies for the possession and use of radionuclides in research. Typical uses include: irradiation of materials, tracers and catalysts in chemical reactions; measurement using industrial gauges; and the identification of substances in compounds. In private industry, uses are primarily in product development. In academic institutions, research and development includes training of students in the use of radioactive materials. Broad licenses are issued to larger facilities having a more comprehensive radiation protection program where the types of research being conducted may fluctuate rapidly. Typical activities include environmental analysis, food quality studies, aerospace and engineering applications, and product development.

<u>Research and Development Broad-Type A</u>	<u>Program Code 03610</u>
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