

**COLLEEN CAROL CASEY
MATERIALS LICENSING BRANCH
UNITED STATES NUCLEAR REGULATORY COMMISSION**

REGION III
2443 WARRENVILLE ROAD STE 210
LISLE, ILLINOIS 60532-4352
OFFICE: (630)-829-9841 FAX: (630) 515-1259

CONVERSATION RECORD

TIME

DATE

ACTUALLY FAXED OR

8/16/11

**TRANSMITTED VIA
SCANNED/SIGNED PDF?**

8/17/11

yes

NAME OF PERSON(S) CONTACTED

ORGANIZATION

TELEPHONE NO.

Paul Jursinic, Ph.D. presumed RSO for Lee Memorial Hospital
and Heart Center for Excellence, incumbent RSO for Borgess
Memorial Hospital; also Tom Mushett, Director of Radiology
For Borgess Memorial Hospital

269-373-7407

SUBJECT

License No.: 21-32287-01 for Lee Memorial Hospital Control No.: 575218, Lee Mem. Hosp.

License No.: 21-18912-01 for Heart Cntr for Excellence, C/N: 575220, HCE

License No.: 21-12275-02 for Borgess Memorial Hosp, C/N: 575223, BMH

SUMMARY

This refers to your letters dated May 17, 2011 (one letter), and April 29, 2011 (several letters), in which a series of changes to the above licenses, (Lee Memorial Hospital ("Lee"), "Heart Center for Excellence" ("HCE") and Borgess Memorial Hospital ("BMH")) were requested, including termination of the Lee and HCE licenses concurrent with their merger into license no. 21-12275-02 for Borgess Memorial Hospital (BMH).

This also refers to the telephone conversations on August 16, 2011, between Tom Mushett, Director of Radiology and Paul Jursinic, Ph.D. and me, as well as followup telephone discussions on August 17, 2011, between Dr. Jursinic and me.

These conversations helped to clarify the situations and requests made in the correspondence above.

Based on these discussions it is my understanding that the following sequence of events is probably what transpired:

It appears that BMH acquired Lee and HCE on January 1, 2011, via an unspecified change of ownership/control transaction and wanted termination of their licenses to become effective on April 29, 2011, concurrent with their merger into the BMH license.

However, in accordance with 10 CFR 30.34(b) and Section 1.3.3 and Appendix G from NUREG 1556 Vol. 9, Rev. 2, "Consolidated Guidance About Materials Licenses: Program - Specific Guidance About Medical Use Licenses," Lee and HCE were required to have obtained NRC's written consent prior to the date when the transaction occurred, January 1, 2011.

This means that an amendment request/change of ownership – control/request for consent should have been received by NRC approximately 90 days before the January 1, 2011 date, in order for us to consider the requests and, as appropriate, provide the written consent letters!

This was apparently not done.

Subsequently, on April 29, 2011, a series of letters requesting changes to the three licenses above, all bearing that date, were prepared and attached to a single cover letter dated May 17, 2011, received in our offices on May 19, 2011. The attached letters dated April 29, 2011, were not segregated and all appeared to be a part of the May 17, 2011, letter as attachments. This led to an inappropriate “processing in” of these requests, which I finally got straightened out on Aug. 16, 2011 and Aug. 17, 2011.

Dr. Jursinic and Mr. Mushett helped to clarify the individuality of the letters and your intentions with them on Aug. 16, 2011, in our phone calls.

For future reference, please ensure that all licensing correspondence for different licenses is clearly marked and segregated to facilitate proper handling in our offices. Your cooperation in such matters is greatly appreciated.

When a license is acquired by a different entity and its merger/termination is requested, it is usually best to contact the NRC to arrange the details of the licensing issues as these types of cases are usually not “one size fits all” and they can get complicated.

For example, we would usually ask the licensee to select a date in the near future when use of materials under the license would cease and close-out surveys would be conducted. The affected licensees involved in the termination requests and merger into a different license would submit their requests at least several weeks prior to the selected date, as per a pre-arrangement with the reviewer, by mutual agreement.

Then, on that date(s), the required closeout surveys would be submitted to NRC and the amendments finalizing the license terminations and merger into the other license would be concluded and transmitted to the affected licenses. Hence, patient care would not be adversely impacted and a clear transition would be made from each terminated license to the license absorbing the merging programs/facilities, etc.

This was apparently not done.

Your letters dated April 29, 2011, appear to indicate that the transition of terminated licenses to BMH should take place on that date, but a cover letter sending these letters to us was dated May 17, 2011, and received May 19, 2011, as noted above. So compliance beforehand was not possible due to the late involvement of NRC.

For the Lee Memorial Hospital license termination request and portion of the BMH merger amendment:

Please submit all of the information requested in Appendix G to the NUREG 1556, Vol. 9, Rev. 2 above. Please do not consolidate/abbreviate your responses as they appear in the April 29, 2011 letter.

Please clarify whether the RSO will change as a result of this transaction. The letter dated April 29, 2011, states that no personnel will change but Dr. Jursinic indicated that he expected to become the RSO when the terminations/merger were complete.

10 CFR 35.24 only permits each human use licensee to have one Radiation Safety Officer, which presumably will be Dr. Jursinic, as he is already RSO for BMH. Toward this end, please have Dr. Jursinic sign and date a written acceptance of the position as RSO for the Lee license, including a management delegation of authority extended from BMH to Dr. Jursinic. Please see Section 8.11, Item 7 and Appendix I in the aforementioned NUREG 1556, Vol. 9, Rev. 2 for assistance and guidance in preparing these documents.

Please specify how often Dr. Jursinic will be on campus at Lee and how much time will he have, at a minimum, to devote to the RSO duties there?

If you wish to select a future transition date for the Lee closeout survey information, please see the Enclosure for additional detailed information that we will need. Note that this is the preferred pathway. OR,

If you want to make a direct transfer of the license without a closeout survey, please clearly state that BMH will accept full responsibility for the Lee Memorial Hospital licensed program, including any residual radioactive contamination, all sealed and unsealed radioactive materials, and radioactive waste streams.

If appropriate, please prepare an updated, signed and dated Form NRC 314 for each license, HCE and Lee.

I noted that, contrary to the assertions made in your letter dated May 17, 2011, neither consultant appeared to provide surveys for Lee or HCE. Instead, a copy of each consultant's quarterly visit report was provided, which does not constitute a closeout survey (see enclosure.) The visit reports provide some information but not everything that a closeout survey does for a license termination.

For the HCE license termination request and portion of the BMH merger amendment:

Please submit all of the information requested in Appendix G to the NUREG 1556, Vol. 9, Rev. 2 above. Please do not consolidate/abbreviate your responses as they appear in the April 29, 2011 letter.

Please clarify whether the RSO will change as a result of this transaction. The letter dated April 29, 2011, states that no personnel will change but Dr. Jursinic indicated that he expected to become the RSO when the terminations/merger were complete.

10 CFR 35.24 only permits each human use licensee to have one Radiation Safety Officer, which presumably will be Dr. Jursinic, as he is already RSO for BMH. Toward this end, please have Dr. Jursinic sign and date a written acceptance of the position as RSO for the HCE license, including a management delegation of authority extended from BMH to Dr. Jursinic. Please see Section 8.11, Item 7 and Appendix I in the aforementioned NUREG 1556, Vol. 9, Rev. 2 for assistance and guidance in preparing these documents.

Please specify how often Dr. Jursinic will be onsite at HCE and how much time will he have, at a minimum, to devote to the RSO duties there?

If you wish to select a future transition date for the HCE closeout survey information, please see the Enclosure for additional detailed information that we will need. Note that this is the preferred pathway. OR,

If you want to make a direct transfer of the license without a closeout survey, please clearly state that BMH will accept full responsibility for the HCE licensed program, including any residual radioactive contamination, all sealed and unsealed radioactive materials, and radioactive waste streams.

If appropriate, please prepare an updated, signed and dated Form NRC 314 for each license, HCE and Lee.

I noted that, contrary to the assertions made in your letter dated May 17, 2011, neither consultant appeared to provide surveys for Lee or HCE. Instead, a copy of each consultant's quarterly visit report was provided, which does not constitute a closeout survey (see enclosure.) The visit reports provide some information but not everything that a closeout survey does for a license termination.

For the BMH amendments merging the Lee Memorial Hospital and HCE sites into it and the review of the Naomi Street location of use that was requested to be deleted:

Please address the RSO issues as noted above. Dr. Jursinic needs to explicitly state that he accepts the position as RSO for Lee Memorial Hospital and Heart Center for Excellence and that he understands the duties and responsibilities associated with that position. He and senior management officials for Lee, HCE and BMH should sign your responses to this letter and the delegations of authority.

Please stipulate that all of the radiation safety program elements currently in place for the BMH license will be extended to the programs at Lee Memorial Hospital and Heart Center for Excellence when the licenses have been terminated and merged into the BMH license.

Please provide copies of any/all documents that currently appear in the last, "tie-down" condition of each of the licenses for Lee Memorial Hospital and Heart Center for Excellence that should, after the termination of each license, become incorporated into the BMH license.

Please examine this carefully to ensure that the BMH license addresses each licensed program at Lee and HCE completely. It is possible that only the facility diagrams and descriptions, which should be prepared completely in accordance with NUREG 1556, Vol. 9, Rev. 2, Section 8.6, Item 9 and Attachment 9.1, a sample diagram in the guidance.

For the Naomi Street location, "Pipp," please clarify the actual historical use of licensed materials at this site. This is unclear because, on the license, all licensed materials were apparently authorized for use at this site but only materials in 10 CFR 35.200 were asserted to have been used. If this was the case, then the license should have been amended accordingly and the discrepancy brought to our attention.

Also, on the "Sealed Source Inventory Record" page, at the bottom, under "Sealed Source Ambient Exposure Record Survey" it says "Bicron at flood." A measurement is given. I noted that more than one flood source appears on the inventory. Please explain and clarify what this means and which flood source is referred to.

Please submit a copy of the last decay-in-storage waste disposal record for this location. Only the last record is needed to establish cessation of activities and complete disposition of licensed materials.

Also, please always include the telephone number and fax number/email address of at least one person who serves as a point of contact for all future licensing requests. Ensure that a management representative signs the amendment request, in accordance with 10 CFR 35.12(a).

Please also be reminded of the provisions in 10 CFR 30.9(a), "Completeness and accuracy of information,"..."(a) Information provided to the Commission by an applicant for a license or by a licensee or information required by statute or by the Commission's regulations, orders, or license conditions to be maintained by the applicant or the licensee shall be complete and accurate in all material respects."

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

ACTION REQUIRED

As we cannot issue the license terminations or the amendments to the BMH license at this time, we are voiding these requests, i.e., removing them from our active database. This action is taken without prejudice to resubmission at a later date.

Please submit written responses to the above items by referencing the appropriate license nos. and control numbers to facilitate proper handling in our offices.

Please address your written responses to my attention as "additional information to control number _____ (fill in the blank appropriately for each)" and ensure that each is currently dated and signed by a senior management representative and the RSO, as indicated above.

We will then continue our review.

PLEASE DIRECT ANY QUESTIONS YOU MAY HAVE TO ME AT (630) 829-9841 or (800) 522-3025, EXT. 9841.

NAME OF PERSON DOCUMENTING CONVERSATION

SIGNATURE

DATE

Colleen Carol Casey



August 17, 2011

ENCLOSURE – CLOSEOUT SURVEYS

We normally cannot authorize licensees to release the areas (excepting areas covered by 10 CFR 35.13(e) and 35.14(b)(4)) or locations of use from licenses for unrestricted use (even by other members of their staff) and/or subsequent license termination until we have received and reviewed a copy of the results of decommissioning and close-out surveys for the facilities.

The final status survey must include a complete historical review of all actual licensed materials used, including sealed and unsealed sources, spills, and contamination. It should specify when and where the materials were used and how, when and by whom were the materials disposed of (shipped off site, decayed -in-storage, sanitary sewer disposal, etc.) or transferred (may be a future date).

Please respond by stating exactly which licensed materials were used at this location historically and please submit final status survey information covering those radioactive materials.

The final status survey should consist of exposure rate measurements to show that all sources of radioactive material have been removed, and contamination checks of areas where radioactive materials were used or stored.

Please submit the following information with your close-out survey:

- a. Diagrams of each facility with exposure rate survey and wipe test results keyed to specific locations, as appropriate. Meaningful units must be specified, i.e., "counts per minute" are inappropriate. "Disintegrations per minute," "millirem per hour," etc. are appropriate.
- b. The name of the person performing the survey.
- c. The date the survey was performed.
- d. The instrument(s) used for exposure rate measurements and for analysis of the wipes.
- e. Background readings and each instruments' efficiency or correction factor and which radionuclides/energy ranges apply to the efficiency or correction factor(s). The radionuclide(s) being surveyed for should be within the energy range of the instrument used.
- f. The date(s) that the survey instruments were last calibrated.
- g. The action levels for both exposure rate measurements and wipe tests. Include the identity of areas exceeding these levels, corrective actions taken and results of corrective actions taken.
- h. A copy of the final decay-in-storage waste disposal record, per 10 CFR 35.92 and 35.2092. Only the last decay-in-storage waste disposal record is necessary.
- i. A copy of the most recent leak tests on all sealed sources authorized by the license and by 10 CFR 35.65. Again, only the last and most recent leak tests are necessary.

OVERVIEW

- RG 8.18, "Information Relevant to Ensuring that Occupational Radiation Exposures at Medical Institutions Will Be ALARA."
- NUREG-0267, "Principles and Practices for Keeping Occupational Radiation Exposures at Medical Institutions ALARA."
- NUREG-1134, "Radiation Protection Training for Personnel Employed in Medical Facilities."
- Information directly related to radiation protection standards in 10 CFR Part 20 is contained in NUREG 1736, "Consolidated Guidance: 10 CFR Part 20 - Standards for Protection Against Radiation."

Applicants should consider the ALARA philosophy detailed in these reports when developing plans to work with licensed radioactive materials.

1.3.2 WRITTEN DIRECTIVE PROCEDURES

In 10 CFR 35.41, certain medical use licensees are required to develop, implement, and maintain written procedures to provide high confidence that before each administration requiring a written directive (WD), the patient's identity is verified and the administration is in accordance with the WD. This regulation also specifies what an applicant must, at a minimum, address in these procedures. Appendix S provides further information on developing these procedures.

1.3.3 TIMELY NOTIFICATION OF TRANSFER OF CONTROL

Under 10 CFR 30.34(b) and 10 CFR 35.14(b), licensees must provide full information and obtain NRC's *written consent* before transferring control of the license, or, as some licensees refer to the process, "transferring the license."

Control may be transferred as a result of mergers, buyouts, or majority stock transfers. Although it is not NRC's intent to interfere with the business decisions of licensees, it is necessary for licensees to obtain NRC's written consent before transferring control of the license. This is to ensure the following:

- Radioactive materials are possessed, used, or controlled only by persons who have valid NRC licenses;
- Materials are properly handled and secured;
- Persons using these materials are competent and committed to implementing appropriate radiological controls;
- A clear chain of custody is established to identify who is responsible for final disposal of the material; and
- Public health and safety are not compromised by the use of such materials.

As provided in 10 CFR 35.14(b), if only the licensee's name or mailing address changes, and the name change does not constitute a transfer of control of the license as described in

10 CFR 30.34(b), a licensee must file a written notification with NRC no later than 30 days after the date(s) of the change(s). Otherwise, prior NRC written consent must be given before the transfer.

Guidance on information to be supplied to the NRC when seeking approval for transfer of control of licensed material is available in Appendix G.

Reference: See the Notice of Availability on the inside front cover of this report to obtain copies of IN 97-30, "Control of Licensed Material during Reorganizations, Employee-Management Disagreements, and Financial Crises," dated June 3, 1997, and NUREG-1556, Volume 15, "Program-Specific Guidance About Changes of Control and About Bankruptcy Involving Byproduct, Source, or Special Nuclear Material Licenses," dated November 2000.

These documents can also be accessed at NRC's Web site, in the Electronic Reading Room at <http://www.nrc.gov/reading-rm/doc-collections/gen-comm/info-notices/1997/in97030.html> and <http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/>. Appendix G, excerpted from Appendix F of NUREG-1556, Volume 15, identifies the information to be provided about transferring control.

1.3.4 TIMELY NOTIFICATION OF BANKRUPTCY PROCEEDINGS

Immediately following the filing of a voluntary or involuntary petition for bankruptcy for or against a licensee, the licensee is required by 10 CFR 30.34(h) to notify the appropriate NRC Regional Administrator, in writing, identifying the bankruptcy court in which the petition was filed and the date of the filing.

Even though the licensee may have filed for bankruptcy, the licensee remains responsible for compliance with all regulatory requirements. The NRC needs to know when licensees are in bankruptcy proceedings in order to determine whether all licensed material is accounted for and adequately controlled and whether there are any public health and safety concerns (e.g., contaminated facility). The NRC shares the results of its determinations with other entities involved (e.g., trustees) so that health and safety issues can be resolved before bankruptcy actions are completed.

Reference: See the Notice of Availability on the inside front cover of this report to obtain copies of NUREG-1556, Volume 15, "Consolidated Guidance About Materials Licenses: Program-Specific Guidance About Changes of Control and About Bankruptcy Involving Byproduct, Source, or Special Nuclear Material Licenses," dated November 2000.

1.4 OFFICE OF MANAGEMENT AND BUDGET CLEARANCES

The information collection requirements in 10 CFR Parts 30 and 35 and NRC Form 313 and the NRC Form 313A series of forms have been approved under the Office of Management and Budget Clearance Numbers 3150-0017, 3150-0010, and 3150-0120, respectively.

Information Needed for Transfer of Control

The following information is taken from NUREG-1556, Volume 15, "Consolidated Guidance About Materials Licenses: Program-Specific Guidance About Changes of Control and About Bankruptcy Involving Byproduct, Source, or Special Nuclear Material Licenses."

Definitions

Control: Control of a license is in the hands of the person or persons who are empowered to decide when and how that license will be used. That control is to be found in the person or persons who, because of ownership or authority explicitly delegated by the owners, possess the power to determine corporate policy and thus the direction of the activities under the license.

Transferee: A transferee is an entity that proposes to purchase or otherwise gain control of an NRC-licensed operation.

Transferor: A transferor is an NRC licensee selling or otherwise giving up control of a licensed operation.

Licensees must provide full information and obtain NRC's *prior written consent* before transferring control of the license. Provide the following information concerning changes of control by the applicant (transferor and/or transferee, as appropriate). If any items are not applicable, so state.

1. Provide a complete description of the transaction (transfer of stocks or assets, or merger). Indicate whether the name has changed and include the new name. Include the name and telephone number of a licensee contact whom NRC may contact if more information is needed.
2. Describe any changes in personnel or duties that relate to the licensed program. Include training and experience for new personnel.
3. Describe any changes in the organization, location, facilities, equipment, or procedures that relate to the licensed program.
4. Describe the status of the surveillance program (surveys, wipe tests, quality control) at the present time and the expected status at the time that control is to be transferred.
5. Confirm that all records concerning the safe and effective decommissioning of the facility will be transferred to the transferee or to NRC, as appropriate. These records include documentation of surveys of ambient radiation levels and fixed and/or removable contamination, including methods and sensitivity.
6. Confirm that the transferee will abide by all constraints, conditions, requirements, and commitments of the transferor or that the transferee will submit a complete description of the proposed licensed program.

NRC FORM 314 <small>(9-2007)</small> <small>10 CFR 30.36(j)(1); 40.42(j)(1); 70.38(j)(1); and 72.54(k)(5)(1)(1)</small>	U.S. NUCLEAR REGULATORY COMMISSION	APPROVED BY OMB: NO. 3150-0028 <small>Estimated burden per response to comply with this mandatory collection request: 30 minutes. This submittal is used by NRC as part of the basis for its determination that the facility is released for unrestricted use. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0028), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.</small>	EXPIRES: 08/31/2010								
CERTIFICATE OF DISPOSITION OF MATERIALS		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> LICENSEE NAME AND ADDRESS </td> <td style="width: 50%; vertical-align: top;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> LICENSE NUMBER </td> <td style="width: 50%; vertical-align: top;"> DOCKET NUMBER </td> </tr> <tr> <td colspan="2" style="vertical-align: top;"> LICENSE EXPIRATION DATE </td> </tr> </table> </td> </tr> </table>		LICENSEE NAME AND ADDRESS 	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> LICENSE NUMBER </td> <td style="width: 50%; vertical-align: top;"> DOCKET NUMBER </td> </tr> <tr> <td colspan="2" style="vertical-align: top;"> LICENSE EXPIRATION DATE </td> </tr> </table>	LICENSE NUMBER 	DOCKET NUMBER 	LICENSE EXPIRATION DATE 			
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LICENSE NUMBER 	DOCKET NUMBER 										
LICENSE EXPIRATION DATE 											
<p><input type="checkbox"/> This license has expired. <input type="checkbox"/> This license has not yet expired; please terminate it.</p>											
A. LICENSE STATUS (Check the appropriate box)											
B. DISPOSAL OF RADIOACTIVE MATERIAL <i>(Check the appropriate boxes and complete as necessary. If additional space is needed, provide attachments)</i>											
<p>The licensee, or any individual executing this certificate on behalf of the licensee, certifies that:</p> <p><input type="checkbox"/> 1. No radioactive materials have ever been procured or possessed by the licensee under this license.</p> <p><input type="checkbox"/> 2. All activities authorized by this license have ceased, and all radioactive materials procured and/or possessed by the licensee under this license number cited above have been disposed of in the following manner.</p> <p style="margin-left: 20px;"><input type="checkbox"/> a. Transfer of radioactive materials to the licensee listed below:</p> <p style="margin-left: 20px;"><input type="checkbox"/> b. Disposal of radioactive materials:</p> <p style="margin-left: 40px;"><input type="checkbox"/> 1. Directly by the licensee:</p> <p style="margin-left: 40px;"><input type="checkbox"/> 2. By licensed disposal site:</p> <p style="margin-left: 40px;"><input type="checkbox"/> 3. By waste contractor:</p> <p><input type="checkbox"/> c. All radioactive materials have been removed such that any remaining residual radioactivity is within the limits of 10 CFR Part 20, Subpart E, and is ALARA.</p>											
C. SURVEYS PERFORMED AND REPORTED											
<p><input type="checkbox"/> 1. A radiation survey was conducted by the licensee. The survey confirms:</p> <p style="margin-left: 20px;"><input type="checkbox"/> a. the absence of licensed radioactive materials</p> <p style="margin-left: 20px;"><input type="checkbox"/> b. that any remaining residual radioactivity is within the limits of 10 CFR 20, Subpart E, and is ALARA.</p> <p><input type="checkbox"/> 2. A copy of the radiation survey results:</p> <p style="margin-left: 20px;"><input type="checkbox"/> a. is attached; or <input type="checkbox"/> b. is not attached (Provide explanation); or <input type="checkbox"/> c. was forwarded to NRC on: _____ Date _____</p> <p><input type="checkbox"/> 3. A radiation survey is not required as only sealed sources were ever possessed under this license, and</p> <p style="margin-left: 20px;"><input type="checkbox"/> a. The results of the latest leak test are attached; and/or <input type="checkbox"/> b. No leaking sources have ever been identified.</p>											
<p>The person to be contacted regarding the information provided on this form:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">NAME</td> <td style="width: 30%;">TITLE</td> <td style="width: 20%;">TELEPHONE (Include Area Code)</td> <td style="width: 20%;">E-MAIL ADDRESS</td> </tr> <tr> <td colspan="4" style="height: 20px;"> </td> </tr> </table> <p>Mail all future correspondence regarding this license to:</p>				NAME	TITLE	TELEPHONE (Include Area Code)	E-MAIL ADDRESS				
NAME	TITLE	TELEPHONE (Include Area Code)	E-MAIL ADDRESS								
C. CERTIFYING OFFICIAL I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT											
PRINTED NAME AND TITLE 		SIGNATURE 	DATE 								
<p>WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECT. 18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.</p>											

CERTIFICATE OF DISPOSITION OF MATERIALS

PLEASE READ THESE INSTRUCTIONS BEFORE COMPLETING NRC FORM 314.

Subpart E of 10 CFR Part 20 establishes the radiological criteria for license terminations/decommissioning of facilities licensed under 10 CFR Parts 30, 40, 50, 60, 61, 70, and 72, as well as other facilities subject to the Commission's jurisdiction under the Atomic Energy Act of 1954, as amended, and the Energy Reorganization Act of 1974, as amended.

INSTRUCTIONS

Section B, Item 2.

Licensees should describe the specific radioactive material transfer actions. If radioactive wastes were generated in terminating this license, the licensee should describe the disposal actions taken, including the disposition of low-level radioactive waste, mixed waste, greater-than-Class-C waste, and sealed sources.

Section B, Item 2.a.

The information provided concerning the transfer of radioactive material to another licensee should specify the date of the transfer, the name of the licensee recipient, an individual contact name and telephone number for the licensee recipient, and the recipient's NRC or Agreement State license number.

Section B, Item 2.b.

For disposal of radioactive materials, licensees should describe the specific disposal method or procedure (e.g., decay-in-storage). For those cases when radioactive materials are disposed of by a licensed disposal site or by a waste contractor, the licensee should specify the name, address, and telephone number of the licensed disposal site operator or waste contractor.

Section B, Item 2.c.

"Residual radioactivity," as defined in 10 CFR 20.1003, means radioactivity in 'areas' (structures, materials, soils, etc.) remaining as a result of activities (licensed and unlicensed) under the licensee's control from sources used by the licensee, excluding background radiation. ALARA is defined in 10 CFR 20.1003.

FILE CERTIFICATES AS FOLLOWS:

IF YOU ARE LOCATED IN:

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTH CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND CERTIFICATES TO:

LICENSING ASSISTANT SECTION
NUCLEAR MATERIALS SAFETY BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1415

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND CERTIFICATES TO:

MATERIALS LICENSING SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, IL 60532-4352

IF YOU ARE LOCATED IN:

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MISSISSIPPI, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING, SEND CERTIFICATES TO:

MATERIAL RADIATION PROTECTION SECTION
U. S. NUCLEAR REGULATORY COMMISSION, REGION IV
611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TX 76011-8064

FYE - also

11 TERMINATION OF ACTIVITIES

Regulations: 10 CFR 20.1401, 10 CFR 20.1402, 10 CFR 20.1403, 10 CFR 20.1404, 10 CFR 20.1405, 10 CFR 20.1406, 10 CFR 30.34(b), 10 CFR 30.35(g), 10 CFR 30.36, 10 CFR 30.51(f).

Criteria: Pursuant to the regulations described above, the licensee must do the following:

Part 35	Applicability
100	✓
200	✓
300	✓
400	✓
500	✓
600	✓
1000	✓

- Notify NRC, in writing, within 60 days of:
 - the expiration of its license;
 - a decision to permanently cease licensed activities at the entire site (regardless of contamination levels);
 - a decision to permanently cease licensed activities in any separate building or outdoor area if it contains residual radioactivity making it unsuitable for release according to NRC requirements (see Note);
 - no principal activities having been conducted at the entire site under the license for a period of 24 months; and
 - no principal activities having been conducted for a period of 24 months in any separate building or outdoor area if it contains residual radioactivity making it unsuitable for release according to NRC requirements (see Note).

Note: Residual radioactivity includes that from accelerator-produced radionuclides and discrete sources of Ra-226, which are now included in the definition of byproduct material as a result of the EPAct.

- Submit a decommissioning plan, if required by 10 CFR 30.36(g);
- Conduct decommissioning, as required by 10 CFR 30.36(h) and (j); and
- Submit, to the appropriate NRC Regional Office, a completed NRC Form 314, "Certificate of Disposition of Materials," (or equivalent information) and demonstrate that the premises are suitable for release for unrestricted use (e.g., results of final survey).
- Before a license is terminated, the licensee must send the records important to decommissioning to the appropriate NRC Regional Office. If licensed activities are transferred or assigned in accordance with 10 CFR 30.34(b), transfer records important to decommissioning to the new licensee.