



**APPLICATION FOR  
 MATERIALS LICENSE**

Estimated burden per response to comply with this mandatory collection request 4.3 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Send comments regarding burden estimate to the Information Services Branch (T-2 F43), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to [Infocollects.Resource@nrc.gov](mailto:Infocollects.Resource@nrc.gov), and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0120), 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.

**INSTRUCTIONS: SEE THE CURRENT VOLUMES OF THE NUREG-1556 TECHNICAL REPORT SERIES ("CONSOLIDATED GUIDANCE ABOUT MATERIALS LICENSES") FOR DETAILED INSTRUCTIONS FOR COMPLETING THIS FORM: <http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/>. SEND TWO COPIES OF THE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.**

**APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:**

MATERIALS SAFETY LICENSING BRANCH  
 DIVISION OF MATERIAL SAFETY, STATE, TRIBAL AND RULEMAKING PROGRAMS  
 OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS  
 U.S. NUCLEAR REGULATORY COMMISSION  
 WASHINGTON, DC 20555-0001

**ALL OTHER PERSONS FILE APPLICATIONS 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 APPLICATIONS TO:**

LICENSING ASSISTANCE TEAM  
 DIVISION OF NUCLEAR MATERIALS SAFETY  
 U.S. NUCLEAR REGULATORY COMMISSION, REGION I  
 2100 RENAISSANCE BOULEVARD, SUITE 100  
 KING OF PRUSSIA, PA 19406-2713

**IF YOU ARE LOCATED IN:**

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

MATERIALS LICENSING BRANCH  
 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 APPLICATIONS TO:**

NUCLEAR MATERIALS LICENSING BRANCH  
 U.S. NUCLEAR REGULATORY COMMISSION, REGION IV  
 1600 E. LAMAR BOULEVARD  
 ARLINGTON, TX 76011-4511

**PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.**

|   |   |
|---|---|
| 1. THIS IS AN APPLICATION FOR (Check appropriate item)<br><input type="checkbox"/> A. NEW LICENSE<br><input type="checkbox"/> B. AMENDMENT TO LICENSE NUMBER _____<br><input checked="" type="checkbox"/> C. RENEWAL OF LICENSE NUMBER <u>21-32707-01</u> | 2. NAME AND MAILING ADDRESS OF APPLICANT (Include zip code)<br>Ronald James<br>EF2 110 AIB<br>6400 North Dixie Highway<br>Newport, MI 48166 |
|---|---|

|   |  |
|---|--|
| 3. ADDRESS WHERE LICENSED MATERIALS WILL BE USED OR POSSESSED<br><br>Monroe Power Plant<br>3500 East Front Street<br>Monroe, Michigan 48161 | 4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION<br>Ronald James<br>BUSINESS TELEPHONE NUMBER <u>734-586-5306</u><br>BUSINESS CELLULAR TELEPHONE NUMBER _____<br>BUSINESS E-MAIL ADDRESS <u>ronald.james@dteenergy.com</u> |
|---|--|

SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

|   |  |
|---|--|
| 5. RADIOACTIVE MATERIAL<br>a. Element and mass number; b. chemical and/or physical form; and c. maximum amount which will be possessed at any one time.   | 6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.                                      |
| 8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.   | 7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE. |
| 10. RADIATION SAFETY PROGRAM.   | 9. FACILITIES AND EQUIPMENT.   |
| 12. LICENSE FEES (Fees required only for new applications, with few exceptions*)<br>(See 10 CFR 170 and Section 170.31)<br>*Amendments/Renewals that increase the scope of the existing license to a new or higher fee category will require a fee. | 11. WASTE MANAGEMENT.  |

|              |                    |
|--------------|--------------------|
| FEE CATEGORY | AMOUNT ENCLOSED \$ |
|--------------|--------------------|

**PER THE DEBT COLLECTION IMPROVEMENT ACT OF 1996 (PUBLIC LAW 104-134), YOU ARE REQUIRED TO PROVIDE YOUR TAXPAYER IDENTIFICATION NUMBER. PROVIDE THIS INFORMATION BY COMPLETING NRC FORM 531: <https://www.nrc.gov/reading-rm/doc-collections/forms/nrc531info.html>.**

13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.

THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 37, 39, AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.  
 WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 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.

|  |               |                 |
|--|---------------|-----------------|
| CERTIFYING OFFICER - TYPED/PRINTED NAME AND TITLE<br>Ronald James / Corporate Radiation Safety Officer | SIGNATURE<br> | DATE<br>9/14/18 |
|--|---------------|-----------------|

**FOR NRC USE ONLY**

| TYPE OF FEE | FEE LOG | FEE CATEGORY | AMOUNT RECEIVED | CHECK NUMBER | COMMENTS |
|-------------|---------|--------------|-----------------|--------------|----------|
|             |         |              | \$              |              |          |
| APPROVED BY |         |              |                 | DATE         |          |

DTE Energy Company  
Fermi 2 Power Plant, 110 AIB  
6400 North Dixie Highway  
Newport, MI 48166



September 14, 2018

Materials Licensing Branch  
U.S. Nuclear Regulatory Commission, Region III  
2443 Warrenville Road, Suite 210  
Lisle, IL 60532-4352

**Subject: Application For Renewal of Materials License 21-32707-01**

Dear Sir or Madam:

Please find enclosed a completed NRC Form 313 for renewal of Materials License 21-32707-01. This materials license is for DTE Energy's Monroe Power Plant located in Monroe, Michigan. Enclosed you will also find completed NUREG-1556, Vol. 4, Appendix B.

DTE Energy has established an electronic fund transfer account with the US Treasury for payments to the NRC. For this reason, DTE Energy requests to be invoiced for Item 12 of Form 313.

If you have any questions or require additional information, please contact me at 734-586-5306.

Sincerely,

A handwritten signature in black ink, appearing to read "Ronald James", written over a horizontal line.

Ronald James  
Corporate Radiation Safety Officer  
Senior Engineer- Nuclear

# **NUREG-1556, Vol. 4, Appendix B**

## **Suggested Format for Providing Information Requested in Items 5 Through 11 of NRC Form 313**

Regarding DTE Energy application for renewal of  
license number 21-32707-01

**Suggested Format for Providing Information Requested in Items  
 5 Through 11 of NRC Form 313**

**Table B.1 Items 5 & 6: Materials To Be Possessed and Proposed Uses**

| Yes | No | Radioisotope | Manufacturer or Distributor Model No.   | Quantity  | Use As Listed on SSD Certificate   | Specify Other Uses Not Listed on SSD Certificate  |
|-----|----|--------------|---|---|--|---|
|     | X  | Cobalt-60    | Sealed source manufacturer or distributor and model number:<br><br>Device manufacturer or distributor and model number: | Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate | Yes <input type="checkbox"/><br><br>Specific description of the gauge use: | <input type="checkbox"/> Not applicable<br><input type="checkbox"/> Uses are:<br><br>(Submit safety analysis supporting safe use) |
|     | X  | Krypton-85   | Sealed source manufacturer or distributor and model number:<br><br>Device manufacturer or distributor and model number: | Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate | Yes <input type="checkbox"/><br><br>Specific description of the gauge use: | <input type="checkbox"/> Not applicable<br><input type="checkbox"/> Uses are:<br><br>(Submit safety analysis supporting safe use) |
|     | X  | Strontium-90 | Sealed source manufacturer or distributor and model number:<br><br>Device manufacturer or distributor and model number: | Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate | Yes <input type="checkbox"/><br><br>Specific description of the gauge use: | <input type="checkbox"/> Not applicable<br><input type="checkbox"/> Uses are:<br><br>(Submit safety analysis supporting safe use) |

| Yes  | No       | Radioisotope             | Manufacturer or Distributor Model No.  | Quantity  | Use As Listed on SSD Certificate   | Specify Other Uses Not Listed on SSD Certificate   |
|--|----------|--------------------------|--|---|--|--|
|  | <b>X</b> | Cesium-137               | Sealed source manufacturer or distributor and model number:<br><br>Device manufacturer or distributor and model number:<br><br><i>Endress + Hauser Model CDC, P4</i><br><br><i>Ohmart Model A-2102</i> | Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate | Yes <input checked="" type="checkbox"/><br><br>Specific description of the gauge use:<br><br><i>Source holder for level measurement.</i><br><br><i>(Endress+Hauser Model FSG60 for liquid level control)</i><br><i>(Ohmart Model SH-F1A and 5192 for slurry density)</i> | <input checked="" type="checkbox"/> Not applicable<br><input type="checkbox"/> Uses are:<br><br>(Submit safety analysis supporting safe use) |
|  | <b>X</b> | Americium-241            | Sealed source manufacturer or distributor and model number:<br><br>Device manufacturer or distributor and model number:  | Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate | Yes <input type="checkbox"/><br><br>Specific description of the gauge use:   | <input type="checkbox"/> Not applicable<br><input type="checkbox"/> Uses are:<br><br>(Submit safety analysis supporting safe use)            |
|  | <b>X</b> | Other Isotope (Specify): | Sealed source manufacturer or distributor and model number:<br><br>Device manufacturer or distributor and model number:  | Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate | Yes <input type="checkbox"/><br><br>Specific description of the gauge use:   | <input type="checkbox"/> Not applicable<br><input type="checkbox"/> Uses are:<br><br>(Submit safety analysis supporting safe use)            |
| <i>Financial Assurance Required and Evidence of Financial Assurance Provided</i> |          |                          |  |   |  |  |

**Table B.2 Items 7 Through 11: Training and Experience, Facilities and Equipment, Radiation Safety Program, and Waste Disposal**

| Item No. and Title   | Suggested Response  | Yes                                    | Alternative Procedures Attached |
|--|---|--|---------------------------------|
| 7. Individual(s) Responsible For Radiation Safety Program And Their Training And Experience<br><br>7.1 Radiation Safety Officer:<br><br>Name: <i>Ronald James</i>  | Before obtaining licensed materials, the proposed RSO will have successfully completed the training described in Criteria in the section entitled "Individual(s) Responsible for Radiation Safety Program and Their Training and Experience - Radiation Safety Officer" in NUREG-1556, Vol. 4, dated October 1998.                              | [X]                                    | []                              |
| 7. Individual(s) Responsible For Radiation Safety Program And Their Training And Experience<br><br>7.2 Authorized Users<br><br><i>Curtis Osmun</i>   | PROPOSED AUTHORIZED USERS:<br><br>Before using licensed materials, authorized users will have successfully completed the training described in Criteria in the section entitled, "Authorized Users" in NUREG-1556, Vol. 4, dated October 1998.  | [X]                                    | []                              |
| 8. Training for Individuals Who in the Course of Employment are Likely to Receive Occupational Doses of Radiation in Excess of 1 mSv (100 mrem) in a Year (Occupationally Exposed Workers) and Ancillary Personnel | The applicant is <i>not</i> required to, and should not, submit its training program, for individuals who in the course of employment are likely to receive occupational doses of radiation in excess of 1 mSv (100 mrem) in a year (occupationally exposed workers) and ancillary personnel, to the NRC for review during the licensing phase. | Need Not Be Submitted with Application |                                 |

| Item No. and Title   | Suggested Response  | Yes                                    | Alternative Procedures Attached |
|--|---|--|---------------------------------|
| 9. Facilities and Equipment  | We will ensure that the location of each fixed gauge meets the Criteria in the section entitled "Facilities and Equipment" in NUREG-1556, Vol. 4, dated October 1998.   | [X]                                    | [ ]                             |
| 10. Radiation Safety Program - Audit Program                       | The applicant is <i>not</i> required to, and should not, submit its audit program to the NRC for review during the licensing phase.   | Need Not Be Submitted with Application |                                 |
| 10. Radiation Safety Program - Survey Instruments                  | <p>We will use instruments that meet the Criteria in the section entitled "Radiation Safety Program - Instruments," in NUREG-1556, Vol. 4, dated August 1998,</p> <p style="text-align: center;"><b>AND</b></p> <p>Each survey meter will be calibrated by the manufacturer or other person authorized by the NRC or an Agreement State to perform survey meter calibrations.</p> <p><i>Note: Survey meters are normally calibrated at DTE Energy's Fermi 2 Nuclear Power Plant under license NPF-43.</i></p> | [X]                                    | [ ]                             |
| 10. Radiation Safety Program - Material Receipt and Accountability | Physical inventories will be conducted at intervals not to exceed 6 months or at other intervals approved by the NRC, to account for all sealed sources and devices received and possessed under the license.   | [X]                                    | [ ]                             |
| 10. Radiation Safety Program - Occupational Dosimetry              | We will perform a prospective evaluation demonstrating that unmonitored individuals are not likely to receive, in one year, a radiation dose in excess of 10% of the allowable limits in 10 CFR Part 20 or we will provide dosimetry that meets the Criteria in the section entitled "Radiation Safety Program - Occupational Dosimetry," in NUREG-1556, Vol. 4, dated October 1998.  | [X]                                    | [ ]                             |

| Item No. and Title  | Suggested Response   | Yes                                    | Alternative Procedures Attached |
|---|--|--|---------------------------------|
| 10. Radiation Safety Program - Public Dose                      | The applicant is not required to submit a response to the public dose section during the licensing phase. However, during NRC inspections, licensees must be able to provide documentation demonstrating, by measurement or calculation, that the total effective dose equivalent to the individual likely to receive the highest dose from the licensed operation does not exceed the annual limit for individual members of the public.  | Need Not Be Submitted with Application |                                 |
| 10. Radiation Safety Program - Operating & Emergency Procedures | <p>Operating and emergency procedures will be developed, implemented, maintained, and distributed, and will meet the Criteria in the section entitled "Radiation Safety Program - Operating and Emergency Procedures," in NUREG-1556, Vol. 4, dated October 1998 <b>with the following alternative:</b></p> <p><i>Shutter Checks</i></p> <p><i>In lieu of periodic nuclear gauge shutter tests, DTE Energy requests continued authority to confirm proper operation each time a shutter is operated.</i></p> <ol style="list-style-type: none"> <li><i>1. Proper operation is confirmed with either a hand held survey meter or nuclear gauge annunciators.</i></li> <li><i>2. The use of nuclear gauge annunciators requires that the level of water in the drain line on which the gauge is installed be below the gauge so that the measuring range is empty. Under this condition, the following can be expected:</i> <ul style="list-style-type: none"> <li><i>• OPEN Shutter: The radiation beam traverses the vessel and is detected by the gauge electronics. The annunciator in the control room indicates the absence of water.</i></li> <li><i>• CLOSED Shutter: The beam is cut off and the annunciator indicates the presence of water.</i></li> </ul> </li> </ol> <p><i>Proper operation is confirmed by opening and closing the shutter and verifying that the annunciator indicates as expected. Anything other than expected means that the gauge electronics or the radiation source shutter is not operating properly and the cause will be determined.</i></p> | [X]                                    | [X]                             |



| Item No. and Title  | Suggested Response  | Yes                                    | Alternative Procedures Attached  |
|---|---|--|--|
| 10. Radiation Safety Program - Leak Test                                | <p>We will implement the model leak test program published in Appendix M to NUREG-1556, Vol. 4, dated October 1998.</p> <p><i>Leak test samples are normally analyzed by DTE Energy's Fermi 2 Nuclear Power Plant under license NPF-43. However, samples may be analyzed by an organization authorized by NRC or an Agreement State to provide leak testing services to other licensees.</i></p>  | [X]                                    | []   |
| 10. Radiation Safety Program - Maintenance                              | <p><u>ROUTINE MAINTENANCE</u><br/>           We will implement and maintain procedures for routine maintenance of our fixed gauges according to each manufacturer's or distributor's written recommendations and instructions.</p> <p><u>NON-ROUTINE MAINTENANCE OPERATIONS</u><br/>           The gauge manufacturer, distributor or other person authorized by NRC or an Agreement State will perform non-routine operations such as installation, initial radiation survey, repair, and maintenance of components related to the radiological safety of the gauge, gauge relocation, replacement, and disposal of sealed sources, alignment, or removal of a gauge from service.</p> | [X]                                    | [X] The information listed in Appendix N supporting a request to perform non-routine operations in-house is attached as an addendum to this document |
| 10. Radiation Safety Program - Transportation                           | The applicant is <i>not</i> required to submit its response to transportation during the licensing process; this issue will be reviewed during inspection. However, the licensee should develop, implement, and maintain transportation procedures according to NRC and DOT regulations.  | Need Not Be Submitted with Application |  |
| 10. Radiation Safety Program - Fixed Gauges Used at Temporary Job Sites | This is not applicable to our program. We will not use fixed gauges at temporary job sites.   | [X] Not Applicable                     | []   |

| Item No. and Title   | Suggested Response  | Yes                                    | Alternative Procedures Attached |
|--|---|--|---------------------------------|
| 10. Radiation Safety Program - Minimization of Contamination | The applicant is not required to submit a response to minimization of contamination if the applicant's responses meet the criteria for the following sections: Radioactive Material - Sealed Sources and Devices, Facilities and Equipment, Radiation Safety Program - Operating and Emergency Procedures, Radiation Safety Program - Leak Testing, and Waste Management - Gauge Transfer and Disposal. | Need Not Be Submitted with Application |                                 |
| 11. Waste Management - Gauge Disposal & Transfer             | The applicant is not required to submit a response to waste management during the licensing process. However, the licensee should develop, implement, and maintain gauge transfer and disposal procedures in its radiation protection program.  | Need Not Be Submitted with Application |                                 |

Addendum to NUREG-1556 Attachment B

Item 10 Radiation Safety Program – Maintenance  
Non-Routine Maintenance Operations - Alternative Procedure [X]

The following text is the information requested in Appendix N

- Type of Work to be performed:
  - Source holder removal, transfer to storage and reinstallation
- DTE Energy requests that the following individuals listed in license 21-32707-01 continue to be authorized to perform source holder removal, transfer to storage and reinstallation:
  - Ronald James
  - Curtis Ozmun

These individuals have successfully completed a 40-hour Industrial Nuclear Gauge training course conducted by TN Technologies, Inc. (formerly Texas Nuclear) or VEGA.

- DTE Energy requests the removal of Robert Tozzie from license due to retirement from company.

Procedures for non-routine operations: Source holder removal, transfer to storage, and reinstallation.

- These procedures may be performed only by individuals who are authorized on the license.

**Removal and Transfer to Storage**

- Using a calibrated survey meter, verify that radiation levels are less than 5 mR/hr at 30 cm from the accessible areas around the source holder. Contact the Radiation Safety Officer if readings are above normal. Otherwise, continue.
- Close and tag the shutter. When locking holes are provided, lock the shutter in place. Using a calibrated survey meter or the gauge's remote annunciator, confirm that the shutter has operated properly.
- Loosen the mounting hardware and remove the source holder from its installed location. Be aware that the source holder is heavy. Be careful not to drop it as this may cause injury to personnel or damage to the source holder shielding and shutter mechanism.
- When not installed or not in the designated storage area, the source holder must never be left unattended
- Transfer the source holder to the designated storage area. Confirm that the storage area is away from occupied spaces and routine pedestrian traffic.

- Place the source holder in the designated storage area and position the barrier rope(s) and sign(s). Using a calibrated survey meter, confirm that radiation levels are no more than 0.5 mR/hr at the perimeter of the barrier.
- Document work performed in the source holder transaction records.

### **Re-installation**

- Using a calibrated survey meter, confirm that radiation levels are no more than 0.5 mR/hr at the perimeter of the barrier. Contact the Radiation Safety Officer if readings are above normal. Otherwise, continue.
- Remove the barrier rope(s) and sign(s). Using a calibrated survey meter, verify that radiation levels are less than 5 mR/hr at 30 cm from all areas around the source holder.
- When not installed or not in the designated storage area, the source holder must never be left unattended.
- Transfer the source holder to its previously installed location.
- Re-install the source holder. Securely tighten the mounting hardware. Be aware that the source holder is heavy. Be careful not to drop it as this may cause injury to personnel or damage to the source holder shielding and shutter mechanism.
- Perform a leak test. Using a calibrated survey meter on its lowest calibrated range, confirm that no detectable radiation is coming from the sample. Save the sample for later laboratory analysis.
- Using a calibrated survey meter, verify that radiation levels are less than 5 mR/hr at 30 cm from the assessable areas around the source holder.
- If locked, unlock the shutter. Remove the tag and open the shutter. Using a calibrated survey meter or the gauge's remote annunciator, confirm that the shutter has operated properly.
- Document work performed in the source holder transaction records.

### **Transaction Records.**

- Records shall be maintained for minimum of 3 years from the date of the transaction.
- Records shall include the date of the transaction, the Authorized User's name, the results of surveys, and the survey meter and serial used.

Fermi 2  
6400 North Dixie Highway, Newport, MI 48166

**Detroit Edison**



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Materials Licensing Branch  
U. S. Nuclear Regulatory Commission, Region III  
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