

The table below is designed to help applicants develop their applications. It may also be used as a License Reviewer Checklist for applications for Manufacturing and Distribution licenses. A box in a column () indicates that the licensee may agree to use a model procedure, or if not using a model procedure, the licensee is then expected to describe its program or submit its procedures for the particular item.

For broad scope usage applications, refer to NUREG-1556, Vol. 11, "Consolidated Guidance About Materials Licenses: Program-Specific Guidance About Licenses of Broad Scope."

Item No.	Suggested Response	Agree to Use	Description Attached
5.	<p><b>RADIOACTIVE MATERIAL</b></p> <p><b>Unsealed and/or Sealed Sources</b></p> <ul style="list-style-type: none"> <li>• For unsealed materials: <ul style="list-style-type: none"> <li>– Provide radionuclide (element name and mass number), chemical and/or physical form, and maximum requested possession limit.</li> <li>– For potentially volatile materials (e.g., I-125, I-131, H-3), specify whether the material will be free (volatile) or bound (non-volatile) and the requested possession limit for each form.</li> </ul> </li> <li>• For sealed materials: <ul style="list-style-type: none"> <li>– Identify each radionuclide (element name and mass number) that will be used in each source.</li> <li>– Provide the manufacturer's (distributor's) name and model number for each sealed source and device requested.</li> <li>– Confirm that each sealed source, device, and source/device combination is registered as an approved sealed source or device by NRC or an Agreement State.</li> <li>– Confirm that the activity per source and maximum activity in each device will not exceed the maximum activity listed on the approved certificate of registration issued by NRC or by an Agreement State.</li> </ul> </li> <li>• Provide an Emergency Plan (if required).</li> </ul>	<p>N/A</p> <p>N/A</p> <p>N/A</p>	<p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p>

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Item No.	Suggested Response	Agree to Use	Description Attached
5.	<p><b>RADIOACTIVE MATERIAL (Cont'd)</b></p> <p><b>Financial Assurance and Recordkeeping for Decommissioning</b></p> <p>No response is needed from most applicants. If an F/A or a DFP is required, submit the required documents as described in NUREG-1727.</p>	N/A	<input type="checkbox"/>
6.	<p><b>PURPOSE FOR WHICH LICENSED MATERIAL WILL BE USED</b></p> <p>List the specific use or purpose of each radioisotope.</p>	N/A	<input type="checkbox"/>
7.	<p><b>INDIVIDUALS RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE</b></p> <p><b>RSO</b></p> <p>Provide the name of the proposed RSO and information demonstrating that the proposed RSO is qualified by training and experience.</p> <p><b>AUs</b></p> <p>Provide the name of each proposed AU, with the types and quantities of licensed material to be used. Also provide information demonstrating that each proposed AU is qualified by training and experience to use the requested licensed materials.</p>	N/A	<input type="checkbox"/>
8.	<p><b>TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS (Occupationally Exposed Individuals and Ancillary Personnel)</b></p> <p>Submit a description of the Radiation Safety Training Program, including topics covered, groups of workers, assessment of training, qualifications of instructors, and the method and frequency of training.</p>	N/A	<input type="checkbox"/>

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9.	<p><b>FACILITIES AND EQUIPMENT</b></p> <p>Describe the facilities and equipment to be made available at each location where radioactive material will be used.</p> <p>Include a description of the area(s) assigned for the receipt, storage, preparation, and measurement of radioactive materials.</p> <p>Submit a diagram showing the locations of shielding, the proximity of radiation sources to unrestricted areas, and other items related to radiation safety.</p> <p>When applicable to facilities where radioactive materials may become airborne, the diagrams should contain schematic descriptions of the ventilation systems, with pertinent airflow rates, pressures, filtration equipment, and monitoring systems.</p> <p>Diagrams should be drawn to a specified scale, or dimensions should be indicated.</p> <p>For facilities where it is anticipated that more than one area of use or room may be used, a generic area or room diagram may be submitted.</p>	N/A	<input type="checkbox"/>          <input type="checkbox"/>
10.	<p><b>RADIATION SAFETY PROGRAM</b></p> <p><b>Audit Program</b></p> <p>The applicant is required to submit its audit program and frequency of audits to NRC for review during the licensing phase. It should be noted in the program whether or not operating procedures which can potentially affect the use of radioactive material or occupational dose have been developed, documented, implemented, and maintained to demonstrate compliance with 10 CFR 20.1101(a).</p>	N/A	<input type="checkbox"/>

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10.	<p><b>RADIATION SAFETY PROGRAM (Cont'd)</b></p> <p><b>Radiation Monitoring Instruments</b></p> <p>Describe the instrumentation that will be used to perform required surveys, and state that: “We will use instruments that meet the radiation monitoring instrument specifications published in Appendix K to NUREG-1556, Vol. 12, ‘Consolidated Guidance about Materials Licenses: Program-Specific Guidance About Possession Licenses for Manufacturing and Distribution.’ We reserve the right to upgrade our survey instruments as necessary.”</p> <p style="text-align: center;"><b>OR</b></p> <p>Describe the instrumentation that will be used to perform required surveys, and state that: “We will use instruments that meet the radiation monitoring instrument specifications published in Appendix K to NUREG-1556, Vol. 12, ‘Consolidated Guidance about Materials Licenses: Program-Specific Guidance About Possession Licenses for Manufacturing and Distribution.’ Additionally, we will implement the model survey meter calibration program published in Appendix K to NUREG-1556, Vol. 12, ‘Consolidated Guidance about Materials Licenses: Program-Specific Guidance About Possession Licenses for Manufacturing and Distribution.’ We reserve the right to upgrade our survey instruments as necessary.”</p> <p><b>Material Receipt and Accountability</b></p> <p>State that: “Physical inventories will be conducted at intervals not to exceed 6 months, to account for all sealed sources and devices received and possessed under the license.”</p>	<p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p>	<p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p>

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10.	<p><b>RADIATION SAFETY PROGRAM (Cont'd)</b></p> <p><b>Occupational Dose</b></p> <p>State that: “We have done a prospective evaluation and determined 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.”</p> <p style="text-align: center;"><b>OR</b></p> <p>“We will monitor individuals in accordance with the criteria in the section entitled ‘Radiation Safety Program – Occupational Dose’ in NUREG-1556, Vol. 12, ‘Consolidated Guidance about Materials Licenses: Program-Specific Guidance About Possession Licenses for Manufacturing and Distribution.’”</p> <p><b>Public Dose</b></p> <p>Initially, a response is not required from the applicant in a license application.</p>	<p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p>N/A</p>	<p>N/A</p> <p>N/A</p> <p>N/A</p>

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10.	<p><b>RADIATION SAFETY PROGRAM (Cont'd)</b></p> <p><b>Safe Use of Radionuclides and Emergency Procedures</b></p> <p>Develop and maintain procedures for safe use and emergencies. State that such procedures have been developed.</p> <p>If an emergency response plan is needed, submit it as a separate part of the application.</p> <p>Procedures may be revised without submission to NRC if:</p> <ul style="list-style-type: none"> <li>• The changes are reviewed and approved by licensee management and the RSO.</li> <li>• Licensee staff is trained in the revised procedures before they are implemented.</li> <li>• The changes are consistent with the procedures submitted with the license application.</li> <li>• The changes do not degrade the effectiveness of the program.</li> </ul>	<p>N/A</p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p>	<p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p>N/A</p>



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10.	<p><b>RADIATION SAFETY PROGRAM (Cont'd)</b></p> <p><b>Transportation</b></p> <p>No response is needed from applicants during the licensing phase.</p> <p><b>Minimization of Contamination</b></p> <p>The applicant does not need to provide a response to this item under the following condition. NRC will consider that the above criteria have been met if the applicant's responses meet the criteria in the following sections: "Radioactive Material – Sealed Sources and Devices or Unsealed Radioactive Material," "Facilities and Equipment," "Radiation Safety Program – Operating and Emergency Procedures," "Radiation Safety Program – Surveys and Leak Tests," and "Waste Management."</p>	<p>N/A</p> <p>N/A</p>	<p>N/A</p> <p>N/A</p>
11.	<p><b>WASTE MANAGEMENT</b></p> <p>State that: "We will use the model waste procedures published in Appendix S to NUREG-1556, Vol. 12, 'Consolidated Guidance about Materials Licenses: Program-Specific Guidance About Possession Licenses for Manufacturing and Distribution.'"</p> <p style="text-align: center;"><b>OR</b></p> <p>"We will use the (specify either (1) Decay-In-Storage; or (2) Disposal of Liquids Into Sanitary Sewerage) model waste procedures that are published in Appendix S to NUREG-1556, Vol. 12, 'Program-Specific Guidance About Possession Licenses for Manufacturing and Distribution.'"</p>	<p><input type="checkbox"/></p> <p><input type="checkbox"/></p>	<p>N/A</p>