

**MATERIALS LICENSE**

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

<p style="text-align: center;">Licensee</p> <p>1. GE-Hitachi Nuclear Energy Americas, LLC Vallecitos Nuclear Center Sunol, CA 94586</p> <p>2.</p>	<p>3. License Number           SNM-1270, Amendment No. 11 (Revised in its entirety)</p> <hr/> <p>4. Expiration Date           July 31, 2023.</p> <hr/> <p>5. Docket or Reference No.   70-1220</p>
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<p>6. Byproduct, Source, and /or Special Nuclear Material</p> <p>Special nuclear material, which may be irradiated, must be contained in fuel pellets, rods and rod segments or fuel bundles, used in GE-Hitachi Nuclear Energy Americas, LLC, research and development activities (as defined in 10 CFR 70.4). Source material, byproduct material, contained in irradiated hardware, reactor components, surveillance capsules, contaminated support equipment, or other irradiated equipment. All other materials subject to requirements of 10 CFR Part 73 are excluded.</p>	<p>7. Chemical and / or Physical Form</p> <p>Any</p>	<p>8. Maximum Amount that Licensee May Possess at Any One Time</p> <p>Quantities as required for delivery to a carrier for transport and in private carriage.</p>
<p>9. Authorized Use: Receipt and possession of materials specified in Items 6 through 8, above, in packages approved pursuant to 10 CFR Part 71 for the purpose of delivery to a carrier for transport and in private carriage in accordance with other conditions of this license.</p> <p>10. Authorized place of use: NRC licensed facilities and in private carriage between NRC licensed facilities within the United States.</p>		

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SUPPLEMENTARY SHEET**

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11. The licensee must utilize its personnel who have been trained in practices and procedures appropriate to the nuclear materials and shipping package involved in each instance, to inspect and monitor the loading of each package to verify:
  - a. that nuclear material to be shipped is in accordance with conditions of this license and in compliance with requirements of the license, Certificate of Compliance, or DOT specification for the package to be employed; and
  - b. that the package is loaded, sealed, tested, and/or otherwise prepared for shipment in accordance with requirements of the license, Certificate of Compliance, or DOT specification for the package to be employed.
  
12. The licensee must receive the loaded shipping package at the loading dock, or equivalent location at the NRC licensed facility from which the shipment will originate. Once accepted, legal responsibility for the loaded package must rest with GE-Hitachi Nuclear Energy Americas, LLC. The licensee, in accordance with the provisions of 10 CFR 71.17, must then deliver the loaded package to the carrier for transport.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION,

**/RA Bernard White Acting for/**

John McKirgan, Chief  
Spent Fuel Licensing Branch  
Division of Spent Fuel Management  
Office of Nuclear Materials Safety  
and Safeguards

Date: 7/26/18