

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.

Licensee	
1. Rapiscan Laboratories, Inc.	3. License Number: SNM-2018 Amendment 1
2. 520 Almanor Ave. Sunnyvale, CA 94085-3533	4. Expiration Date: September 24, 2022 5. Docket No. 70-7021

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| 6. Byproduct Source, and/or Special Nuclear Material | 7. Chemical and/or Physical Form | 8. Maximum Amount That Licensee May Possess at Any One Time Under This License |
| A. Uranium enriched to Less Than 20% in U-235 | A. Solid uranium metal plates clad in nickel plating | A. |
| B. Uranium enriched to Less Than 20% in U-235 | B. U ₃ O ₈ discs sealed in stainless steel canisters | B. |
| C. Uranium enriched to 93% in U-235 | C. Uranium metal discs sealed in titanium containers | C. |
| D. Uranium enriched to 19.5% in U-235 | D. U ₃ O ₈ sealed in a stainless steel canister | D. |
| E. Depleted Uranium | E. Solid Metal, Various Forms | E. |
9. Authorized use: For use in accordance with the statements, representations, and conditions specified in the licensee's application dated October 22, 2010 (Application and Request for Additional Information Responses) and supplements dated February 9, 2011; March 10, 2011; April 7, 2011; June 30, 2011; July 27, 2011; October 13, 2011; April 30, 2012; and May 10, 2013.
10. Authorized place of use: Rapiscan Laboratories, Inc.'s, facilities located in Sunnyvale and Pittsburg, California and temporary job site located at Moffett Federal Air Field.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

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SNM-2018, Amendment 1

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70-7021

11. Authorized place of storage: Rapiscan Laboratories, Inc.'s, facilities located in Sunnyvale and Pittsburg, California and temporary job site at Moffett Federal Air Field, during Technology Demonstration & Characterization (TD&C) testing of the Photo-Fission Based Resolution (PBAR) System.
12. Contamination guidelines shall be established for unrestricted release of contaminated material and equipment that are no greater than those identified in the branch technical position, "Guidelines for Decontamination of Facilities and Equipment Prior to Release for Unrestricted Use or Termination of Licenses for Byproduct, Source, or Special Nuclear Material," April 1993.
13. Leak tests of special nuclear material (SNM) sources will be performed consistent with applicable U.S. Nuclear Regulatory Commission (NRC) branch technical positions issued in April 1993, "License Condition for Leak-Testing Sealed Uranium Sources," or "License Condition for Leak-Testing Sealed Plutonium Sources."
14. The licensee is hereby exempted from the requirements of Title 10 of the *Code of Federal Regulations* 70.24 for the authorized activities.
15. The licensee will provide to the NRC a copy of the California License (No. 2484-43) showing the removal of SNM materials on that license prior to receipt of SNM identified under this license.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date: 6/18/2014

By: /RA/

Robert K. Johnson, Chief
Fuel Manufacturing Branch
Division of Fuel Cycle Safety
and Safeguards
Office of Nuclear Material Safety
and Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001