

U.S. NUCLEAR REGULATORY COMMISSION

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, 37, 39, 40, 70 and 71, 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. High Energy Devices, LLC 2. 26 Hollenberg Court Bridgeton, MO 63044		In accordance with letter dated July 08, 2019. 3. License number: 24-26366-01 is amended in its entirety to read as follows:	4. Expiration Date: November 30, 2022 5. Docket No.: 030-32563 Reference No.:
6. Byproduct, source, and/or special nuclear material A. Cesium-137 B. Nickel-63 C. Krypton-85 D. Cesium-137 E. Nickel-63	7. Chemical and/or physical form A. Any B. Any C. Any D. Sealed Sources E. Sealed Sources	8. Maximum amount that licensee may possess at any one time under this license A. 5 millicuries total B. 5 millicuries total C. 5 millicuries total D. 5 millicuries total E. 5 millicuries total	9. Authorized use A. For manufacturing gas discharge tubes/spark arresters. B. For manufacturing gas discharge tubes/spark arresters. C. For manufacturing gas discharge tubes/spark arresters. D. For possession and storage incident to distribution of gas discharge tubes/spark arresters in accordance with NRC License No. 24-26366-02E. E. For possession and storage incident to distribution of gas discharge tubes/spark arresters in accordance with NRC License No. 24-26366-02E.



**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number
24-26366-01

Docket or Reference Number
030-32563

Amendment No. 8

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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 | 9. Authorized use |
| F. Krypton-85 | F. Sealed Sources | F. 5 millicuries total | F. For possession and storage incident to distribution of gas discharge tubes/ spark arresters in accordance with NRC License No. 24-26366-02E. |

CONDITIONS

10. Licensed material may be used or stored at the licensee's facilities located at 26 Hollenberg Court, Bridgeton, Missouri, 63044.
11. The Radiation Safety Officer (RSO) for this license is Joseph D. Koch, Ph.D., RPIH.
12. Licensed material shall only be used by, or under the supervision of, Joseph D. Koch, Ph.D., RPIH.
13. The licensee shall conduct a physical inventory every 6 months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sealed sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 3 years from the date of each inventory, and shall include the radionuclides, quantities, manufacturer's name and model numbers, and the date of the inventory.
14. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.
15. This license does not authorize commercial distribution of licensed material.
16. The licensee shall not use the licensed material in or on humans.

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17. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. This license condition applies only to those procedures that are required to be submitted in accordance with the regulations. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
- A. Application dated June 27, 2012 (ML12187A156)
 - B. Facsimile dated November 1, 2012 (ML12306A187)
 - C. Letter dated July 10, 2013 (ML13196A507)
 - D. Letter dated August 26, 2013 (ML13252A127)



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date: July 10, 2019

By: _____

Frank P. D. Tran
Region 3