

NITE-SITE, INC.

P. O. BOX 0
ROSEMOUNT, MINNESOTA 55068

DAY NIGHT
COMBAT SIGHTING SYSTEMS

1981

July 7, 1979

Radioisotopes Licensing Branch
Division of Fuel Cycle & Material Safety
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Subject: Quarterly Report - April, May and June, 1979.

Reference: N.R.C. Licenses, 22-13585-02G and 22-13585-03.

The second quarterly report of Promethium-147, installed into gun sights, are as follows:

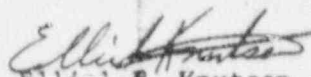
Model 70-H sets: 106.
Activity: 1.5 mCi Pm-147 per set.
Radiation levels: <0.5 mr/hr at 1 cm.
Wipe test: <0.0005 μ Ci removable activity.

Model 70-S units: 16.
Activity: 0.8 mCi Pm-147 per unit.
Radiation levels: <0.5 mr/hr at 1 cm.
Wipe test: <0.0005 μ Ci removable activity.

Sights returned for disposal: None

Signed certifications on above are on file, together with all required names, departments and addresses, for your inspection.

Sincerely,


Elliel F. Knutsen
Director/Licensing
Nite-Site, Inc.

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INSPECTION AND ENFORCEMENT

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

MATERIAL LICENSE

Nite-Site, inc.

License No. 22-13585-02G
Amendment No. 02

In accordance with letter dated April 26, 1979, License Number 22-13585-02G is amended in its entirety to read as follows:

Pursuant to the Atomic Energy Act of 1954, as amended; the Energy Reorganization Act of 1974, as amended, (Public Law 93-438); 10 CFR 30, "Rules of General Applicability to Licensing of Byproduct Material"; "Section 32. 51, 10 CFR Part 32, "Specific Licenses to Manufacture, Distribute, or Import Exempted and Generally Licensed Items Containing Byproduct Material"; and in reliance on statements and representations made in letters with enclosures, dated June 7, 1971, April 7, 1971, February 15, 1971, December 1, 1970, August 26, 1970, and May 20, 1970, and signed by Charles A. Johnson, letters dated April 26, 1979, September 14, 1979 and March 26, 1980, a license is hereby issued to Nite-Site, Incorporated, Rosemount, Minnesota 55058, to distribute promethium 147 contained in self-luminous gun sights to persons generally licensed pursuant to Section 31.5, 10 CFR 31.

This license shall be deemed to contain the conditions appended as conditions 1 through 9 and those conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and other applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect.

This license shall expire on November 30, 1981.

FOR THE U. S. NUCLEAR REGULATORY COMMISSION
JAMES A. JONES

Radioisotopes Licensing Branch
Division of Fuel Cycle and Material Safety

AUG 7 1980

Date _____

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APPENDIX

License No. 22-13585-020
Amendment No. 02

1. The license is authorized to distribute only the gun sight models listed in Column A with each sight containing not more than the amount of promethium 147 shown in Column B:

<u>A</u>	<u>B</u>
70H (Front)	0.6 millicurie
70H (Rear)	0.9 millicurie
70S	0.8 millicurie

2. The license shall cause each gun sight to be transferred to a general license under this license to be tested for leakage and contamination immediately following installation of a sight or sights on a gun. Any sight exhibiting more than 0.005 microcurie of removable radioactive material shall not be transferred to a general licensee. A copy of the report of the results of each test shall be furnished by Nite-Site, Inc. to the general licensee receiving the sight of sights.
3. Each gun to which a sight is attached shall bear two durable, clearly visible and legible labels as follows:
- A. (i) Label 1 shall bear the statements: "Report lost, stolen, or damaged sights to Nite-Site, Inc., Rosemount, Minnesota 55068. Do not use damaged sights. These must be tested for leakage at least every three years."
- (ii) Label 1 shall also bear each sight model and serial number and the quantity, identity and date of measurement of the radioactive material.
- B. Label 2 shall bear the statements: "Caution Radioactive Material. A general license of the USNRC or an Agreement State covers the receipt, use and possession of these sights and prohibits abandonment, transfer, repair, installation, removal and disposal except to, or by, Nite-Site, Inc."
- C. Each label shall bear the radiation symbol in colors magenta or purple on a yellow background and the statement "Do Not Remove."
- D. Each label required by this condition shall be permanently attached to each gun by Nite-Site, Inc.
4. The licensee shall assure that sights installed on guns do not exhibit any radiation level in excess of 0.3 milliroentgens per hour at one centimeter, measured as described in its license application, and will not cause any person to receive more than 0.5 rem in a calendar year under ordinary circumstances of use. The licensee shall maintain copies of radiation surveys and analyses, or certificates attesting to such surveys and analyses performed by the Minnesota Mining and Manufacturing Company, made to determine compliance with this license condition, for inspection by the Commission.

5. The licensee shall furnish to each general licensee to whom it transfers a generally licensed sight a copy of Section 31.5, 10 CFR 31; Sections 30.34 and 30.51 through 30.63, 10 CFR 30; Sections 20.403,2 and 20.403, 10 CFR 20; and Appendix D, 10 CFR 20.
6. The licensee shall file a quarterly report in accordance with Section 32.52, 10 CFR Part 32.
7. The licensee shall cause each gun sight removed from a gun to be tested for leakage and contamination not more than 30 days after its removal and shall maintain records of each removal and test for inspection by the Commission. The licensee shall file a report with the Director of Nuclear Material Safety and Safeguards, U.S. Nuclear Regulatory Commission, Washington, D. C. 20555, reporting all such removals and tests. If not removals or tests have been made during the reporting period, the report shall so state. The report shall be submitted within 30 days after the end of each calendar year.
8. This license does not authorize the possession or use of licensed material.