

MATERIALS LICENSE

Amendment No. 03

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, 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. General Dynamics
Land Systems Division
2. 38500 Mound Road
Sterling Heights, MI 48310-3268

In accordance with application dated
June 23, 1987

3. License number 21-21068-01 is amended in
its entirety to read as follows:

4. Expiration date February 28, 1994

5. Docket or
Reference No. 030-19731

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. Hydrogen-3

A. Gas in glass ampoules
as sealed sources
(Self Powered Lighting
Corporation or
mb-microtec, Inc.)

A. No single source
to exceed 10.2
curies per
assembly. Total
not to exceed
8,000 curies

B. Hydrogen-3

B. Gas in glass ampoules
as sealed sources
(Self Powered Lighting
Corporation or
mb-microtec, Inc.)

B. No single source
to exceed 20
curies per
assembly. Total
not to exceed
500 curies

9. Authorized Use

- A. To be used in light source cell assembly Model P/N 12304725, to be installed as Missile Reference Sensor (MRS) devices on military equipment (M1/M1E1 Tank Weapon System) for distribution to the Department of Defense or contractors of the Department of Defense possessing a specific license issued by the U. S. Nuclear Regulatory Commission or an Agreement State.
- B. To be used in light source cell assembly Model P/N 12304725, to be installed as Missile Reference Sensor (MRS) devices on military equipment (M1/M1E1 Tank Weapon Systems) for research and development as specified in letters dated February 13, 1987 and April 24, 1987.

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

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CONDITIONS

10. Locations of Use:

Land Systems Division
Lima Tank Army Center
1161 Buckeye
Lima, OH 45804

Land Systems Division
Groesbeck Plant
21889 Schmeman
Warren, MI 48089

Land Systems Division
Detroit Arsenal Tank Plant
28251 Van Dyke
Warren, MI 48090

Land Systems Division
Sterling Plant
6000 E. 17 Mile Road
Sterling Heights, MI 48078

Land Systems Division
Central Office Complex
38500 Mound Road
Sterling Heights, MI 48310-3268

Land Systems Division
Troy Tech Center
1902 Northwood
Troy, MI 48064

Land Systems Division
Chelsea Proving Ground
3700 South M-52 Highway
Chelsea, MI 48118

Land Systems Division
Warren Logistics Center
6700 East 14 Mile Road
Warren, MI 48092

Land Systems Division
Clawson Technology
1055 West Maple
Clawson, MI 48017

Land Systems Division
Warren Test Center
6900 Miller road
Warren, MI 48092

11. A. Licensed material shall be used by, or under the supervision of, G. J. Wellette, Yolanda M. Guzman, or Tatiana C. Padula.
- B. The Radiation Protection Officer for the activities authorized by this license is Tatiana C. Padula.
12. Sealed sources containing licensed material shall not be opened or removed from their respective source holders by the licensee.
13. The licensee shall conduct a physical inventory every six (6) months to account for all sealed sources received and possessed under the license. The records of the inventories shall be maintained for two (2) years from the date of the inventory for inspection by the Commission, and shall include the quantities and kinds of byproduct material, manufacturer's name and model numbers, location of the sealed sources and the date of the inventory.
14. The licensee may transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material".

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15. Individuals who work in or whose duties may require them to work in restricted areas or in the vicinity of licensed materials, shall be instructed in the items specified in 10 CFR 19.12 at the time of initial employment and at least annually thereafter.
16. 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. The 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 23, 1987; and
- B. Letters dated February 13, 1987 and April 24, 1987.



For the U.S. Nuclear Regulatory Commission

Date: January 31, 1989

Original Signed
By William J. Adma, Ph.D.
Materials Licensing Section, Region III

COPY

GENERAL DYNAMICS

Land Systems Division

P.O. Box 1901, Warren, Michigan 48090

Inter-Office Memo

CME/82-12

20 April 1982

To: All Department Heads

Subject: APPOINTMENT OF RADIATION PROTECTION OFFICER

Effective immediately, Dr. Tatiana C. Padula is appointed GDLS Radiation Protection Officer.

In this capacity, Dr. Padula will interface directly with the GDLS OSHA Administrator and will provide advice on radiological safety and Nuclear Regulatory Commission (NRC) licensing to the Division Staff, including Engineering, Manufacturing, and Logistic Installations.

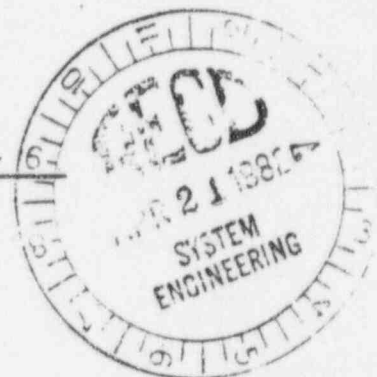
Dr. Padula will be the point of contact on all matters pertaining to the NRC license the conditions imposed by the NRC license, license material, and permit authorization. She is responsible for establishing the radiation protection program objectives, reviewing specific procedures and operations, determining compliance, and initiating action to correct any deviation from NRC license conditions, the requirements of the NRC, and permit authorization.

As required by Federal and DoD Regulations, she is technically qualified by virtue of education, training, and experience.

Dr. Padula has held several positions in the field of radiation protection with Wayne State University, the Community European for Nuclear Research, Stanford University, Michigan Department of Public Health, and Chrysler.

C.M. Edwards
C. M. Edwards

R. P. Erickson
Concurrence: R. P. Erickson



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