NRC Form 374A (6-82) U.S. NUCLEAR REGULATORY COMMISSION

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License number 04-07316-04

Docket or Reference number

Amendment No. 02

MATERIALS LICENSE
SUPPLEMENTARY SHEET

Department of the Navy
Naval Sea Systems Comd Det,
RASO, Bldg 835
Port Hueneme, California 93043

In accordance with letter dated December 2, 1983, License Number 04-07316-04 is amended as follows:

The address of the licensee is changed from Naval Nuclear Power Unit, Port Hueneme, California 93043 to Naval Sea Systems Comd Det., RASO, Bldg. 835, Port Hueneme, California 93043.

FOR THE U. S. NUCLEAR REGULATORY COMMISSION

Date Jan. 10, 1983

By John W. N. Hickey
Material Licensing Branch
Division of Fuel Cycle and Material Safety
Washington, D. C. 20555

REC'D IN LAT 9-28-18

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NMSS/RGN1 MATERIALS-002

U. S. NUCLEAR REGULATORY COMMISSION
MATERIALS LICENSE

Amendment No. 01

[redacted] copy is for your files.

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 1, Parts 30, 31, 32, 33, 34, 35, 36, 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); and to import such byproduct and source material. 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. Department of the Navy Naval Nuclear Power Unit 2. Port Hueneme, California 93043	In accordance with letter dated February 11, 1980 3. License number 04-07316-04 is amended in its entirety to read as follows: 4. Expiration date January 31, 1985 5. Docket or Reference No.

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. Strontium 90	A. Strontium titanate contained in SNAP-21 thermoelectric generator	A. 23,613 curies
B. Strontium 90	B. Strontium titanate contained in RG-1 thermoelectric generators	B. 1 generator containing 6,767 curies and 1 generator containing 6,476 curies
C. Strontium 90	C. Strontium titanate contained in URIPS-P1 thermoelectric generators	C. 3 generators containing 6,467 curies each
D. Uranium (depleted)	D. Shielding contained in SNAP-21 and RG-1 thermoelectric generators	D. 290 kilograms

9. Authorized use

A. through D. For possession only in acoustical transponders/beacons located on the ocean bottom.

CONDITIONS

10. Licensed material shall be possessed at the locations specified in application dated May 8, 1979.

MATERIALS LICENSE

Supplementary Sheet

License Number 04-07316-04

Docket or
Reference No.

CONDITIONS

Amendment No. 01

11. The licensee shall comply with the provisions of Title 10, Chapter 1, Code of Federal Regulations, Part 19, "Notices, Instructions and Reports to Workers; Inspections" and Part 20, "Standards for Protection Against Radiation."

12. The licensed material authorized for possession only under the license shall not be used, abandoned, transferred or disposed of except as specifically authorized by the U.S. Nuclear Regulatory Commission.

13. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in application dated May 8, 1979 and letter dated February 11, 1980. The Nuclear Regulatory Commission's regulations shall govern the licensee's statements in applications or letters, unless the statements are more restrictive than the regulations.

APR 29 1980

Date

For the U. S. Nuclear Regulatory Commission

by Material Licensing Branch

Division of Fuel Cycle and
Material Safety
Washington, D.C. 20555

Form NRC-374

U S. NUCLEAR REGULATORY COMMISSION
MATERIALS LICENSE

This Copy Is For Your Files

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 1, Parts 30, 31, 32, 33, 34, 35, 36, 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); and to import such byproduct and source material. 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. Department of the Navy Naval Nuclear Power Unit 2. Port Hueneme, California 93043	3. License number 04-07316-04 4. Expiration date January 31, 1985 5. Docket or Reference No. 45-16359-03

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. Strontium 90	A. Strontium titanate contained in SNAP-21 thermoelectric generator	A. 23,613 curies
B. Strontium 90	B. Strontium titanate contained in RG-1 thermoelectric generators	B. 1 generator containing 6,767 curies and 1 generator containing 6,476 curies
C. Strontium 90	C. Strontium titanate contained in URIPS-P1 thermoelectric generators	C. 3 generators containing 6,467 curies each
D. Uranium (depleted)	D. Shielding contained in SNAP-21 and RG-1 thermoelectric generators	D. 290 kilograms

9. Authorized use

A. through D. For use in powering acoustical transponders/beacons located on the ocean bottom.

CONDITIONS

10. Licensed material shall be used at the locations specified in application dated May 8, 1979. Licensed material may be stored at the licensee's address specified in Item 2 above.

(continued)

11. The licensee shall comply with the provisions of Title 10, Chapter 1, Code of Federal Regulations, Part 19, "Notices, Instructions and Reports to Workers; Inspections" and Part 20, "Standards for Protection Against Radiation."

12. Whenever a fueled thermoelectric generator is opened or disassembled or a breach is detected in its outer encasement, wipe tests shall be performed to determine the need for contamination control measures. These tests shall be capable of detecting the presence of 0.005 microcurie of radioactivity on the test sample. Records of each test result shall be kept in units of microcuries and maintained for inspection by the Commission. If any of these tests reveal the presence of 0.005 microcurie or more of removable contamination, the licensee shall file a report within five days of the tests with the Division of Fuel Cycle and Material Safety, U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, describing the test results and the corrective action taken. A copy of such report shall also be sent to Region V, Office of Inspection and Enforcement, 1990 N. California Blvd., Suite 202, Walnut Creek, California 94596.

13. A report, in duplicate, shall be filed with the Division of Fuel Cycle and Material Safety, U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, no later than 15 days following the close of each calendar quarter, tabulating the coordinates to the nearest minute of longitude and latitude of each position at which a radioisotope power device was located in a marine environment or in Antarctica under the provisions of the license during the preceding quarter. Locations within one nautical mile of Naval shore installations are excepted. The tabulation shall identify the quantity and model numbers of radioisotope power devices at each reported location, and for devices that were not at the location throughout the full quarter, the date of emplacement of the date of retrieval, whichever is pertinent, shall be indicated.

14. Loss or theft of the radioactive materials possessed under the license shall be reported pursuant to §20.402, Title 10, Chapter 1, Code of Federal Regulations, Part 20, "Standards for Protection Against Radiation", irrespective of whether or not it apprears to the licensee that a substantial hazard may, under the circumstances, result to persons in unrestricted areas. The licensee is exempt from the reporting requirements of §20.403(b)(3) and §20.403(b)(4), but shall report in writing to the Division of Fuel Cycle and Material Safety, U. S. Nuclear Regulatory Commission, Washington, D. C. 20555 within 7 days:

(a) each discovery of any tampering with a radioisotope power device or associated equipment, and

(b) any abnormal difficulty experienced in placing, mooring, locating, or retrieving any radioisotope power device authorized under this license.

MATERIALS LICENSE

Supplementary Sheet

License Number 04-07316-04

Docket or
Reference No. 45-16359-03

(continued)

15. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in application dated October 22, 1969 and Naval Facilities Engineering Command "Radiological Safety Guide" submitted with that application; application dated May 30, 1975; letters dated October 3, 1975, December 3, 1975 and February 23, 1977; "Radiological Safety Guide" submitted with application dated May 30, 1975; letter dated June 13, 1978, and Naval Facilities Engineering Command "Radioisotope Thermoelectric Generator Radiological Safety Guide"; and application dated May 8, 1979, as amended September 19, 1979. The Nuclear Regulatory Commission's regulations shall govern the licensee's statements in applications or letters, unless the statements are more restrictive than the regulations.

For the U. S. Nuclear Regulatory Commission

Date _____

by Material Licensing Branch

Division of Fuel Cycle and
Material Safety
Washington, D.C. 20555