NRC

CDSN = USA569 MCN = 85345/06676 TOR = 853450443
PTTUZDSW RUWNSGG0716 3440158-UUUU--RUEAUSA.
ZNR UUUUU ZUI RUWMAKA 3450412
P 060036Z DEC 85 ZYB
FM NAVTECHTRACEN TREASURE ISLAND CA
TO RUEAUSA/U. S. NUCLEAR REGULATORY COMMISSION
FUEL CYCLE MATL SAFETY DIV MAIL STOP SS 396
WASHINGTON DC 20555
INFO RUCLFMA/CNTECHTRA MILLINGTON TN
RUCONUA/NAVSEA DET RASO YORKTOWN VA
RULSSAA/COMNAVSEASYSCOM WASHINGTON DC
ACCT NA-CNRF
BT

UNCLAS //N01550//
SUBJ: REQ FOR AMENDMT TO BY PRODUCT MATL LIC 04-04346-02
A. PHONCON NUCLEAR REGULATORY COMMISSION (MR. BRUCE CARICO)/
NAVTECHTRACEN TI (MAJ WAGNER) OF 4 DEC 85.
B. CO, NAVTECHTRACEN TI LTR SER N7/1089 OF 16AUG85 NOTAL
1. WPNSTA YORKTOWN FOR RASO YORKTOWN VA. NRC FOR CHIEF, MATERIALS
LICENSING BRANCH.
2. AS REQUESTED BY REF A, AMPLIFYING INFORMATION ON THE WORK
EXPERIENCE WITH RADIATION/ON-THE-JOB TRAINING OF MAJOR JOHN WAGNER,
PROPOSED RADIATION SAFETY OFFICER (RSO). IS SUBMITTED TO SUPPORT
LICENSE AMENDMENT REQUESTED BY REF B.
3. MAJOR WAGNER HAS BEEN ASSIGNED TO NAVTECHTRACEN, TI, SINCE
SEPTEMBER 1983 AS THE SUBJECT MATTER EXPERT IN THE AREA OF NUCLEAR
AND CHEMICAL WARFARE DEFENSE. IN THIS CAPACITY HE IS RESPONSIBLE FOR
THE TECHNICAL ACCURACY OF ALL COURSES TAUGHT AT THIS COMMAND THAT
INVOLVE NUCLEAR WARFARE DEFENSE, NUCLEAR ACCIDENT/INCIDENT
PROCEDURES, OPERATIONS AND MAINTENANCE OF RADIATION MEASURING
INSTRUMENTS, MONITORING TECHNIQUES, AND CALCULATIONS/ESTIMATES OF THE
EFFECTS OF RADIATION, INCLUDING THE RADIAC INSTRUMENT MAINTENANCE
COURSE. HE IS CONSIDERED TO BE QUALIFIED FOR THIS DUTY BY VIRTUE OF
HIS MORE THAN 14 YEARS OF ACTIVE SERVICE AS AN OFFICER IN THE U. S.
ARMY CHEMICAL CORPS INCLUDING THE FOLLOWING SCHOOLS/ASSIGNMENTS WHICH
INVOLVED WORK IN ONE OR MORE ASPECTS OF RADIATION SAFETY/RADIATION
HEALTH:
A. FORMAL SCHOOLS
(1) CHEMICAL OFFICER BASIC COURSE (9 WEEKS) - 1971
(2) CHEMICAL OFFICER ADVANCED COURSE (26 WEEKS) - 1977
(3) RADIOLOGICAL SAFETY OFFICER COURSE (3 WEEKS) - 1977
(THIS COURSE INCLUDED HANDS-ON EXPERIENCE WITH THE TS-784 CALIBRATION
SOURCE.)
B. ASSIGNMENTS:
(1) ALPHA RADIATION MEASUREMENT TEAM LEADER FOR THE 31ST AIR
DEFENSE ARTILLERY BRIGADE NUCLEAR ACCIDENT/INCIDENT RESPONSE TEAM

(NOV 73-#EC 76). RESPONSIBLE FOR:

(A) TRAINING THE ALPHA TEAM TO RESPOND TO A NUCLEAR WEAPON ACCI#ENT.

(B) MAINTENANCE OF ALL OF THE TEAM'S EQUIPMENT, INCLUDING CALIBRATION OF ALL RADIATION MEASURING INSTRUMENTS.

(C) PROCESSING FILM BADGE #OSIMETERS AND MAINTAINING RECORDS OF EXPOSURE TO RADIATION.

(2) BRIGADE CHEMICAL OFFICER/NUCLEAR SURETY OFFICER FOR THE 1ST BRIGADE, 8TH INFANTRY DIVISION (AUG 77-JULY 80). RESPONSIBLE FOR ADMINISTRATION OF THE BRIGADE'S NUCLEAR SECURITY/PERSONAL RELIABILITY PROGRAM.

3. MAJOR WAGNER HAS RECEIVED SPECIFIC ON-THE-JOB TRAINING AT THIS COMMAND BY ASSISTING THE PRESENTLY APPROVED RSO (LT FARRAND) IN THE PERFORMANCE OF HIS DUTIES. THIS WORK INVOLVED APPROXIMATELY 1 DAY EACH MONTH. IN ADDITION, HE HAS HAD RECENT HANDS-ON EXPERIENCE IN THE ACTUAL OPERATION OF THE LICENSED CALIBRATION SOURCES (AN/UDM-1A AND TS-1216/UD) UNDER THE SUPERVISION OF THE SENIOR INSTRUCTOR OF THE RADIAC MAINTENANCE COURSE. HE HAS DEMONSTRATED COMPETENCY IN THE SAFE HANDLING OF RADIOACTIVE MATERIAL UP TO 66 CURIES SEALED SOURCE OF CESIUM 137, MONITORING, DECONTAMINATION, EMERGENCY PROCEDURES, AND SECURITY.

4. POC IS MAJOR JOHN F. WAGNER, AV 869-5075/5761 OR COMM (415) 765-5075/5761.

BT

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NNNN

western union **Telegram**

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ICS IPMWGWB AGENT
WASHINGTON DC
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U.S. NUCLEAR REGULATORY COMMISSION, DLR
FUEL CYCLE MATL SAFETY DIV
MAIL STOP SS 396
WASHINGTON DC 20555

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P 060036Z DEC 85 ZYB
FM NAVTECHTRACEN TREASURE ISLAND CA

W.U. 1201-SF (R5-69)

western union **Telegram**

TO RUCLRFA/U. S. NUCLEAR REGULATORY COMMISSION
FUEL CYCLE MATL SAFETY DIV MAIL STOP SS 396
WASHINGTON DC 20555
INFO RUCLFMA/CNTECHTRA MILLINGTON TN
RUCONUA/WPNSTA YORKTOWN VA
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PAGE 02 RUWNSGG7641 UNCLAS
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W.U. 1201-SF (R5-69)

western union **Telegram**

INVOLVE NUCLEAR WARFARE DEFENSE, NUCLEAR ACCIDENT/INCIDENT PROCEDURES, OPERATIONS AND MAINTENANCE OF RADIATION MEASURING INSTRUMENTS, MONITORING TECHNIQUES, AND CALCULATIONS/ESTIMATES OF THE EFFECTS OF RADIATION, INCLUDING THE RADIAC INSTRUMENT MAINTENANCE COURSE. HE IS CONSIDERED TO BE QUALIFIED FOR THIS DUTY BY VIRTUE OF HIS MORE THAN 14 YEARS OF ACTIVE SERVICE AS AN OFFICER IN THE U. S. ARMY CHEMICAL CORPS INCLUDING THE FOLLOWING SCHOOLS/ASSIGNMENTS WHICH INVOLVED WORK IN ONE OR MORE ASPECTS OF RADIATION SAFETY/RADIATION HEALTH:

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12/12/83

W.U. 1201-SF (R5-69)

western union **Telegram**

A. FORMAL SCHOOLS

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PAGE 03 RUWNSGG7641 UNCLAS

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PAGE 04 RUWNSGG7641 UNCLAS

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4. POC IS MAJOR JOHN F. WAGNER, AV 869-5075/5761 OR COMM (415) 765-5075/5761.

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W.U. 1201-SF (R5-69)

NRC Form 374
(12-81)

U.S. NUCLEAR REGULATORY COMMISSION

PAGE 1 OF 3 PAGES

Amendment No. ~~30~~ 32

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 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 Technical Training Center Treasure Island 2. San Francisco, California 94130	In accordance with application dated ~~March 24, 1982~~ Aug 16, 1985 3. License number 04-04346-02 is amended in its entirety to read as follows: 4. Expiration date October 31, 1987 5. Docket or Reference No. 030-03631

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. Cesium 137	A. Sealed source (Oak Ridge National Laboratory)	A. Not to exceed 69 curies per source
B. Cesium 137	B. Sealed source (U.S. Nuclear Type 371)	B. Not to exceed 22 curies per source
~~C. Cesium 137~~	~~C. Sealed source (Oak Ridge National Laboratory Model IR-2339A)~~	~~C. Not to exceed 400 millicuries per source~~

9. Authorized use

A. For use in Model AN/UDM-1A Radiac Calibrator for calibration of instruments and training of personnel in the use of the Radiac Calibrator.

B. For use in Model TF-1216/UD Radiac Calibrator for calibration of instruments and training of personnel in the use of the Radiac Calibrator.

~~C. For use in simulation of fall out radiation for indoctrination and training of personnel.~~

CONDITIONS

10. Licensed material shall be used only at Buildings 343 ~~and 344~~, U.S. Naval Technical Training Center, Naval Station Treasure Island, San Francisco, California.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number
04-04346-02

Docket or Reference number
030-03631

Amendment No. 30 32

CONDITIONS

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. Licensed material shall be used by, or under the supervision of, ~~David E. Parrand, Orrin A. Benedict, Jr., David R. Quinn or Terry A. Lockwood.~~ MARK T. SMITH, OR KENNETH D. SPACKMAN. JAMES T. DROESCH,

13. A. (1) Each sealed source containing licensed material, other than Hydrogen 3, with a half-life greater than thirty days and in any form other than gas shall be tested for leakage and/or contamination at intervals not to exceed six months. In the absence of a certificate from a transferor indicating that a test has been made within six months prior to the transfer, a sealed source received from another person shall not be put into use until tested.

18.A(1) A & B 2 3 A B C D

(2) The periodic leak test required by this condition does not apply to sealed sources that are stored and not being used. The sources excepted from this test shall be tested for leakage prior to any use or transfer to another person unless they have been leak tested within six months prior to the date of use or transfer.

B. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. The test sample shall be taken from the sealed source or from the surfaces of the device in which the sealed source is permanently mounted or stored on which one might expect contamination to accumulate. Records of leak test results shall be kept in units of microcuries and maintained for inspection by the Commission.

C. If the test reveals the presence of 0.005 microcurie or more of removable contamination, the licensee shall immediately withdraw the sealed source from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with Commission regulations. A report shall be filed within five (5) days of the test with the U. S. Nuclear Regulatory Commission, Region V, Office of Inspection and Enforcement, 1450 Maria Lane, Suite 210, Walnut Creek, California 94596, describing the equipment involved, the test results, and the corrective action taken.

D. Tests for leakage and/or contamination shall be perfonned by the licensee or by other persons specifically authorized by the Commission or an Agreement State to perform such services.

NRC Form 374A (8-82) U.S. NUCLEAR REGULATORY COMMISSION

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number
04-04346-02

Docket or Reference number
030-03631

Amendment No. 30 32

CONDITIONS

13. continued

E. The licensee is authorized to collect leak test samples in accordance with the procedures described in the licensee's application dated March 24, 1982 for analysis by U.S. Naval Technical Training Center, Treasure Island.

14. Sealed sources containing licensed material shall not be opened.

15. 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, location of sealed sources, and the date of the inventory.

16. 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 March 24, 1982; and letter dated September 21, 1982 with attached revised application dated March 25, 1982,. 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.

3/25/82

dated 1/20/84 and 8/16/85, and ~~letter dated~~ telegram received 12/11/85

OCT 29 1982

Date

FOR THE U.S. NUCLEAR REGULATORY COMMISSION
~~original~~ signed by Joseph C. Wang

By for Material Licensing Branch
Division of Fuel Cycle and
Material Safety
Washington, D. C. 20555

DBH
29OCT82

JCW 10/29/82

CONVERSATION RECORD

TIME | DATE 11/18/85

TYPE

☐ VISIT ☐ CONFERENCE ☒ TELEPHONE

Location of Visit/Conference:

☐ INCOMING ☒ OUTGOING

NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU	ORGANIZATION (Office, dept., bureau, etc.)	TELEPHONE NO.
RASO	Navy	584-

ROUTING

NAME/SYMBOL	INT

SUBJECT

Amendment on Navy's Technical training center - 04-04346-02

SUMMARY

- I called RASO + spoke with Marvin Lunsford concerning the proposed RSO's training course. I explained that it did not appear that he had any experience with radioactive material and that additional i/o would be needed in support of the application. Marvin said he would call Major Wagner to see if additional i/o could be provided in order to expedite the request and would call me back

- 11/21/85, Major Wagner called to discuss the same - I explained the problem + that we would need additional information concerning his experience. He said he would submit add. i/o.

ACTION REQUIRED

- entered as a telephone def

NAME OF PERSON DOCUMENTING CONVERSATION | SIGNATURE J Bruce Carrico | DATE 11/21/85

ACTION TAKEN

SIGNATURE | TITLE | DATE