



UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
Gaithersburg, Maryland 20899-
OFFICE OF THE DIRECTOR

December 5, 2008

Jacqueline Cook, Senior Health Physicist
U.S. Nuclear Regulatory /Commission
Nuclear Materials Licensing Branch
Region IV
611 Ryan Plaza Drive
Arlington, TX 76011-8064

SUBJECT: Amendment Request License Number 05-03166-05

Dear Ms. Cook:

Due to personnel actions, I am requesting an amendment for License Number 05-03166-05 to change the Radiation Safety Officer from Larry E. Grimm to Thomas W. Grove.

In addition, I request that line 11.A. be amended to read, "Licensed material shall be used by, or under the supervision of, Thomas W. Grove, Sonja G. Ringen, or Thomas J. Bruno, Ph.D."

Thomas Grove's training, experience, and education satisfy the RSO Qualifications as listed in NUREG - 1556, Vol. 7, Section 8.7.1 to include:

- a) Bachelor Degree, or equivalent training and experience in physical, chemical, biological sciences, or engineering AND training and experience commensurate with the scope of proposed activities
- b) Have an understanding of NIST radiation safety policy and procedures
- c) Obtain annual training via professional health physics conferences or other equivalent training.

The documentation of Mr. Grove's training and experience is enclosed.

NIST

I request expedited processing and approval of this application for an amendment because of impending personnel changes at NIST in Boulder, Colorado.

Thank you for your cooperation. For more information, I may be reached at (301) 975-4502 (office) or 301-873-6539 (cell).

Sincerely,



Richard F. Kayser
NIST Chief Scientist

cc: Art Howell, NRC
Vivian Campbell, NRC
Richard Leonardi, NRC
Jack Whitten, NRC
Sonja G. Ringen, Manager, Office of Safety, Health and Environment, NIST Boulder Laboratories
Timothy Mengers, Radiation Safety Officer, NIST Gaithersburg
Lisa Karam, Chair, NIST Ionizing Radiation Safety Committee
James Clark, NIST Contracting Officer's Technical Representative

- 1) Name of Proposed RSO: Thomas W. Grove
- 2) RSO Qualifications, Training & Experience per NUREG - 1556, Vol. 7, Section 8.7.1
 - a) Bachelor Degree, or equivalent training and experience in physical, chemical, biological sciences, or engineering AND training and experience commensurate with the scope of proposed activities

<u>Training</u>	<u>Length/Date Completed</u>
• US Naval Machinist Mate (MM) Class A School	7 weeks 1982
• US Naval Nuclear Power School, Enlisted	24 weeks 1983
• US Naval Nuclear Power Prototype School	26 weeks 1984
• US Naval Engineering Laboratory Technician (ELT) School	13 weeks 1984
• US Naval Radiological Control Maintenance IMA Course	4 weeks 1986
• US Naval Radioactive Materials Shipping School	2 weeks 1987
• National Registry of Radiation Protection Technologists	Self Study 1994

<u>Experience</u>	<u>Length/Date Completed</u>
• USS Nimitz – MM/ELT	~2 years 1986
• USS Hunley – ELT/Radcon Monitor/Radcon Shift Supervisor	~4 years 1990
• Commercial Nuclear Power - ANSI 3.1 Senior Health Physics Technician	~10 years present

- 3) Additional RSO Qualifications, Training & Experience per Item 8 of letter dated February 15, 2007
 - a) Forty (40) hours of formal instruction in:
 - i) Radiation physics and instrumentation
 - ii) Radiation protection
 - iii) Mathematics pertaining to the use and measurement of radioactivity
 - iv) Biological effects of radiation
 - b) Have an understanding of NIST radiation safety policy and procedures
 - c) Obtain annual training via professional health physics conferences or other equivalent training

Formal Training (Accredited, except the NRRPT, in a Regents B.A. Degree, Graduating 8/7/2006 from Shepherd University)

- US Naval Nuclear Power School, Enlisted
 - 5 semester hours general physics = 75 hours
 - 1 semester hour atomic and nuclear physics = 15 hours
 - 1 semester hour radiation protection technology = 15 hours
 - 4 semester hours technical mathematics = 60 hours
- US Naval Nuclear Power Prototype School
 - 3 semester hours in basic health physics = 45 hours
 - 6 semester hours in Mathematics & Intro to Mathematics via CLEP Test = 90 hours
- US Naval Engineering Laboratory Technician (ELT) School
 - 3 semester hours in health physics = 45 hours
- US Naval Radiological Control Maintenance IMA Course & Radioactive Materials Shipping School
 - Radiation Protection Theory, Regulatory Compliance, and Practical Application = 160 and 80 hours respectively*
- National Registry of Radiation Protection Technologists
 - 6 semester hours in Introduction to Radiological Science = 90 hours

- 8 semester hours in Radiation Detection and Measurement = 120 hours
- 8 semester hours in Radiation Protection and Control = 120 hours
- 8 semester hours in Applied Health Physics Internship = 120 hours

NOTE: 1 Semester hour equals 15 hours of formal classroom training. College credits are recommended by the American Council on Education (ACE). * The RadCon Maintenance & Shipping Courses were never evaluated by ACE for college credit.

NIST Radiation Safety Policy & Procedures

- Employed with NIST since 7/1/2008 in Radiation Protection
- Identified and requested update to NIST Admin Manual Radiation Safety Policies
- Reviewed, Updated, and Prepared NIST-Boulder Radiation Safety Procedures

Obtain Annual Training

“Obtain annual training” implies that it is required after the designation as the RSO.

Colleen Murnahan

From: Jackie Cook
Sent: Tuesday, December 09, 2008 11:25 AM
To: Colleen Murnahan
Subject: FW: Scanned letter for Jacqueline Cook
Attachments: Scanned letter to jacqueline cook.pdf

Colleen:

Please print the attached scanned letter and put with the "faxed" request from NIST. It is the same document. The licensee also stated that they are FEDEXing it also.



Thanks,

Jackie

From: Richard Kayser [mailto:kayser@nist.gov]
Sent: Tuesday, December 09, 2008 8:33 AM
To: Jackie Cook
Cc: Art Howell; Vivian Campbell; Richard Leonardi; 'ringens@boulder.nist.gov'; 'timothy.mengers@nist.gov'; Rosamond Burns; Lisa Karam; 'james.clark@nist.gov'; Jack Whitten
Subject: Fw: Scanned letter for Jacqueline Cook

Jackie --
This is a flookup to yesterday's FAX. We also sent it FEDEX.
Hope all is well.
Best regards,
Rich

From: Denise L. Herbert
To: Richard Kayser
Cc: Jenilie C. Palla
Sent: Mon Dec 08 09:38:31 2008
Subject: Scanned letter for Jacqueline Cook

Denise Herbert
Secretary to the Deputy Director
Office of the Director
National Institute of Standards and Technology
100 Bureau Drive, MS 1000
Gaithersburg, MD 20899
 *dherbert@nist.gov*
 *301-975-2300*

ACCEPTANCE REVIEW MEMO (ARM)

Licensee: Dept of Commerce (NIST) **License No.:** 05-03166-05
Docket No.: 030-03732 **Mail Control No.:** 472042
Type of Action: Amend **Date of Requested Action:** 12-05-2008

Reviewer Assigned: Jackie Cook **ARM reviewer(s):** J. Cook

Response	Deficiencies Noted During Acceptance Review
	<input type="checkbox"/> Open ended possession limits. Submit inventory. Limit possession. <input type="checkbox"/> Submit copies of latest leak test results. <input type="checkbox"/> Add IC L.C./Fingerprint LC, add SUNSI markings to license. <input type="checkbox"/> Confirm with licensee if they have NARM material.

Reviewer's Initials: _____ **Date:** _____

Yes No Request for unrestricted release Group 2 or >. Consult with Bravo Branch.
 Yes No Termination request < 90 days from date of expiration
 Yes No Expedite (medical emergency, no RSO, location of use/storage not on license, RAM in possession not on license, other)
 Yes No TAR needed to complete action.

Branch Chief's and/or HP's Initials: _____ **Date:** _____

SUNSI Screening according to RIS 2005-31

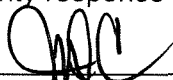
Yes No **Sensitive and Non-Publicly Available** if any item below is checked

General guidance:

- _____ RAM = or > than Category 3 (Table 1, RIS 2005-31), use Unity Rule
- _____ Exact location of RAM [suite #, bldg. #, location different from mailing address] (whether = or > than Category 3 or not)
- _____ Design of structure and/or equipment (site specific)
- _____ Information on nearby facilities
- _____ Detailed design drawings and/or performance information
- _____ Emergency planning and/or fire protection systems

Specific guidance for medical, industrial and academic (above Category 3):

- _____ RAM quantities and inventory
- _____ Manufacturer's name and model number of sealed sources & devices
- _____ Site drawings with exact location of RAM, description of facility
- _____ RAM security program information (locks, alarms, etc.)
- _____ Emergency Plan specifics (routes to/from RAM, response to security events)
- _____ Vulnerability/security assessment/accident-safety analysis/risk assess
- _____ Mailing lists related to security response

Branch Chief's and/or HP's Initials:  _____ **Date:** DEC 12 2008

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

(FOR LFMS USE)

INFORMATION FROM LTS

Program Code: 03620
Status Code: 0
Fee Category: 3P
Exp. Date: 20150531
Fee Comments:
Decom Fin Assur Req'd: N

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: COMMERCE, DEPARTMENT OF
Received Date: 20081208
Docket No: 3003732
Control No.: 472042
License No.: 05-03166-05
Action Type: Amendment

2. FEE ATTACHED

Amount: _____
Check No.: _____

3. COMMENTS

Signed _____
Date 12-08-08

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered /)

1. Fee Category and Amount: _____

2. Correct Fee Paid. Application may be processed for:
Amendment _____
Renewal _____
License _____

3. OTHER _____

Signed _____
Date _____

Reg. NO. 100-9030

1000950

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Jacqueline Cook, Senior Health Physicist
U.S. Nuclear Regulatory Commission
Nuclear Materials Licensing Branch
Region IV
611 Ryan Plaza Drive
Arlington, TX 76011-8064

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UNITED STATES US

Ship Date: 08DEC08
ActWgt: 0.1 LB
System#: 0737579/CAFE2358
Account: S *****

TO JACQUELINE COOK
NUCLEAR REGULATORY COMMISSION
NUCLEAR MATERIAL BRANCH REGION IV
611 RYAN PLAZA DRIVE
ARLINGTON, TX 760118064

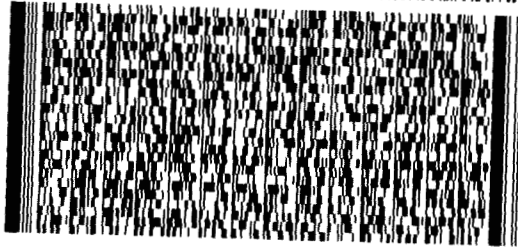
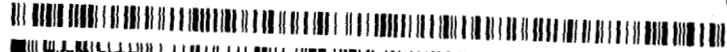
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