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GENERAL MILLS

Kevin Ludwig  
General Mills, Inc.  
707 Pillsbury Lane  
New Albany, IN 47150  
June 21, 2011

U.S. Nuclear Regulatory Commission, Region III  
Materials Licensing Branch  
2443 Warrenville Road, Suite 210  
Lisle, IL 60532-4352

Dear N.R.C.:

We are requesting an amendment of our Material License No. 13-18883-01. We would like for the R.S.O. to be changed from John R. Hayes to Kevin Ludwig. John R. Hayes will be retiring from General Mills, Inc. in the near future and this will be the official hand-off for our Radiation Safety Program. I have enclosed a copy of my R.S.O Training Certificate and course outline.

If there are any questions regarding this renewal application please contact Kevin Ludwig at 812-941-4219.

Sincerely,

Kevin Ludwig  
Senior Controls Engineer II

(3-2009)  
10 CFR 30, 32, 33,  
34, 35, 36, 39, and 40

**APPLICATION FOR MATERIALS LICENSE**

Estimated burden per response to comply with this mandatory collection request: 4.3 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to [infocollects.resource@nrc.gov](mailto:infocollects.resource@nrc.gov), and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202 (3150-0120), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

**INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.**

**APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:**

OFFICE OF FEDERAL & STATE MATERIALS AND  
ENVIRONMENTAL MANAGEMENT PROGRAMS  
DIVISION OF MATERIALS SAFETY AND STATE AGREEMENTS  
U.S. NUCLEAR REGULATORY COMMISSION  
WASHINGTON, DC 20555-0001

**ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:****IF YOU ARE LOCATED IN:**

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA,  
KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY,  
NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTH  
CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA,  
SEND APPLICATIONS TO:

LICENSING ASSISTANCE TEAM  
DIVISION OF NUCLEAR MATERIALS SAFETY  
U.S. NUCLEAR REGULATORY COMMISSION, REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PA 19406-1415

**IF YOU ARE LOCATED IN:**

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND  
APPLICATIONS TO:

MATERIALS LICENSING BRANCH  
U.S. NUCLEAR REGULATORY COMMISSION, REGION III  
2443 WARRENVILLE ROAD, SUITE 210  
LISLE, IL 60532-4352

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS,  
LOUISIANA, MISSISSIPPI, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH  
DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS,  
UTAH, WASHINGTON, OR WYOMING, SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING BRANCH  
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV  
612 E. LAMAR BOULEVARD, SUITE 400  
ARLINGTON, TX 76011-4125

**PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.**

**1. THIS IS AN APPLICATION FOR (Check appropriate item)**

- ☐ A. NEW LICENSE  
☒ B. AMENDMENT TO LICENSE NUMBER 13-18883-01  
☐ C. RENEWAL OF LICENSE NUMBER \_\_\_\_\_

**2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code)**

**General Mills**  
**707 Pillsbury Lane**  
**New Albany, IN 47150**

**3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED**

**707 Pillsbury Lane**  
**New Albany, IN 47150**

**4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION**

**Kevin Ludwig**

TELEPHONE NUMBER

**(812) 941-4219**

SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

**5. RADIOACTIVE MATERIAL**

- a. Element and mass number; b. chemical and/or physical form; and c. maximum amount which will be possessed at any one time.

**6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED****7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE.****8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.****9. FACILITIES AND EQUIPMENT.****10. RADIATION SAFETY PROGRAM.****11. WASTE MANAGEMENT.****12. LICENSE FEES (See 10 CFR 170 and Section 170.31)**

FEE CATEGORY **N/A** AMOUNT ENCLOSURE \$ **0.00**

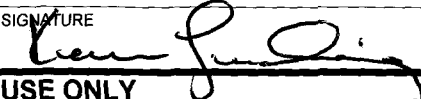
**13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.**

THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39, AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

**CERTIFYING OFFICER - TYPED/PRINTED NAME AND TITLE**

**Kevin Ludwig, Senior Controls Engineer**

**SIGNATURE****DATE**

**06/20/2011**

**FOR NRC USE ONLY**

| TYPE OF FEE | FEE LOG | FEE CATEGORY | AMOUNT RECEIVED | CHECK NUMBER | COMMENTS |
|-------------|---------|--------------|-----------------|--------------|----------|
|             |         |              | \$              |              |          |
| APPROVED BY |         |              |                 | DATE         |          |

*Thermo Fisher Scientific  
Radiation Safety Officer Outline*

**Monday**

|               |   |
|---------------|---|
| 08:00 - 09:00 | Welcome and Introductions                 |
| 09:00 - 09:40 | Radiation, Physics and Video              |
| 09:40 - 10:50 | Radiation, Physics and Math               |
| 10:50 - 11:00 | Break                                     |
| 11:00 - 12:00 | Radiation, Physics and Math               |
| 12:00 - 1:00  | Lunch                                     |
| 1:00 - 2:00   | Radiological Effects of Time and Distance |
| 2:00 - 2:10   | Break                                     |
| 2:10 - 3:20   | Radiological/Effects of Time and Distance |
| 3:20 - 5:00   | Home Work #1                              |

**Tuesday**

|               |  |
|---------------|--|
| 08:30 - 09:00 | Home Work #1 Review  |
| 09:00 - 09:10 | Break  |
| 09:10 - 10:10 | Exposure, Time and Distance, Inverse Square Law                      |
| 10:10 - 11:00 | Inverse Square Law/Shielding (Half-value-layers)                     |
| 11:00 - 11:10 | Break  |
| 11:10 - 12:00 | Shielding (Dose calculations)  |
| 12:00 - 1:00  | Lunch  |
| 1:00 - 1:50   | Biological (Contamination, Internal Exposure, radiation injury)      |
| 1:50 - 2:00   | Break  |
| 2:00 - 3:00   | Biological (Long Term Effects, Background Radiation, Risk Estimates) |
| 3:00 - 5:00   | Homework #2  |

**Wednesday**

|               |  |
|---------------|--|
| 08:30 - 09:00 | Homework #2 Review                     |
| 09:00 - 10:00 | Licensing and Regulations              |
| 10:00 - 10:15 | Break                                  |
| 10:15 - 12:00 | Licensing and Regulation               |
| 12:00 - 1:00  | Lunch                                  |
| 1:00 - 2:40   | Radiation Protection Program and ALARA |
| 2:40 - 3:50   | Transportation and Shipping            |
| 3:50 - 4:00   | Break                                  |
| 4:00 - 5:00   | Homework #3                            |

**Thursday**

|               |   |
|---------------|---|
| 08:30 - 09:00 | Homework #3 Review  |
| 09:00 - 10:00 | Instrumentation (Radiation Detection, Types of Detectors) |
| 10:00 - 10:10 | Break   |
| 10:10 - 11:10 | Detectors (continued)/ Personnel Monitoring               |
| 11:10 - 12:00 | Industrial Applications                                   |
| 12:00 - 1:00  | Lunch   |
| 1:00 - 1:50   | Survey meter, techniques and Leak Testing                 |
| 1:50 - 2:00   | Break   |
| 2:00 - 3:30   | Plant Tour, Hands-on, Source Load and Leak Test Lab       |
| 3:30 - 4:00   | Emergency Procedures                                      |
| 4:00 - 5:00   | Homework and Review of Homework #4                        |

**Friday**

|               |                          |
|---------------|--------------------------|
| 08:30 - 11:30 | Final Exam (Closed Book) |
|---------------|--------------------------|

# Certificate of Completion

**ThermoFisher**  
S C I E N T I F I C

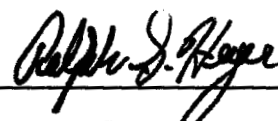
*This certificate is awarded to*

**Kevin Ludwig**

*For the successful completion of*

**40 Hour Radiation Safety Training Course**

*Granted: January 29, 2010*



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Ralph S. Heyer, Radiation Safety Officer Trainer



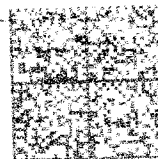
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New Albany, IN 47150

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Lisle, IL 60532-4352

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