



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, ILLINOIS 60532-4352

TELEFAX TRANSMITTAL

DATE January 6, 2009

NUMBER OF PAGES 8

SEND TO Becky Rodriques

LOCATION Systems & Electronics, Inc., (DRS Technologies)

FAX NUMBER (314) 553-4555

VERIFY BY CALLING

FROM: Bill Reichhold
(Sender)

TELEPHONE NUMBER (630) 829-9839

FAX NUMBER (630) 515-1078

If you do not receive the complete fax transmittal, please contact the sender as soon as possible at the telephone number provided above.

MESSAGE See accompanying documents.

NOTICE

This message is intended only for the use of the individual or entity to which it is addressed and may contain information that is privileged, confidential, or exempt from disclosure under applicable law. If the reader of this message is not the intended recipient or the employee responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you received this communication in error, please notify the sender immediately by telephone and return the original to the above address, by U.S. Mail. Thank You.

The following additional information is needed to review your request.

Please identify the individuals by name and title, who signed agreement for the ownership change from Systems & Electronics, Inc. to DRS Technologies. Please see accompanying documents. Please confirm that these individuals are authorized to sign official documents for their companies. Also see "Certification" from NUREG-1556, Volume 7.

The information you submitted regarding the training and experience to add Jason Blum and Gus Hoelscher as authorized users was not sufficiently detailed to complete our review. Please a detailed description of the training and experience for Jason Blum and Gus Hoelscher. Training should include the following subjects:

Radiation Protection Principles

Characteristics of Ionizing Radiation

Units of Radiation dose and Quantities

Radiation Detection Instrumentation

Biological Hazards of Exposure to Radiation (appropriate to the types and forms of byproduct materials to be used)

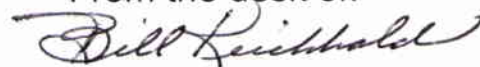
Hands-on Use of Radioactive Materials

Please see the accompanying document "Authorized User" from NUREG-1556, Volume 7.

Please note, Bill Schardan is already on your license as an authorized user, and Denise Baldwin, Pamela Zorens and Ted Miner were removed from your license in Amendment 2. Please see accompanying document "Amendment No. 2".

Please send a facsimile (630- 515-1078) of your response to the above within 5 days and refer to control 317625. Please call me at 630-829-9839 if you have any questions.

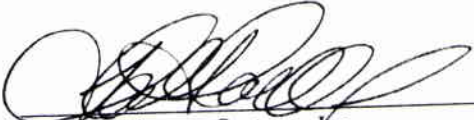
From the desk of:



Bill Reichhold

The above information is provided based on the documentation submitted to William Schiraldi on 8/1/03 - document reference is NUREG-1556, Vol. 15- page F-2. If this information has not been provided to the level of detail requested by the NRC please feel free to contact Becky Rodrigues (contact information provided in #1 above) with any comments or questions.

The two signatures below indicate the concurrence of both parties represented by Systems & Electronics and DRS Sustainment Systems. Both parties agree to the change in ownership of the license materials and activity, and the conditions of the transfer and the transferee have been made aware of all open inspection items and possible resulting enforcement actions.


Systems & Electronics, Inc.
DRS Sustainment Systems, Inc.

Please update our current license to reflect these changes at your earliest convenience. Should you have any questions, please contact Becky Rodrigues by email at brodrig@drs-ssi.com, by telephone at 314.553.4408 or by fax at 314.553.4555.

Best Regards,



Becky Rodrigues
Contracts Administrator

PLEASE IDENTIFY THESE INDIVIDUALS BY NAME
AND TITLE.

PLEASE CONFIRM THAT THESE INDIVIDUALS ARE
AUTHORIZED TO SIGN OFFICIAL DOCUMENTS FOR THEIR
COMPANIES.

- Information Notice 84-94, "Reconcentration of Radionuclides Involving Discharges into Sanitary Sewerage Systems Permitted Under 10 CFR 20.203 (now 10 CFR 20.2003)," dated December 1984
- Information Notice 90-09, "Extended Interim Storage of Low-Level Radioactive Waste by Fuel Cycle and Materials Licensees," dated February 1990

Information Notices are available at <<http://www.nrc.gov>>.

Additional References:

- Policy and Guidance Directive PG 8-10, "Disposal of Incinerator Ash as Ordinary Waste," dated January 1997
- Policy and Guidance Directive PG 94-05, "Updated Guidance on Decay-In-Storage," dated October 1994

8.12 ITEM 12: FEES

The next two items on NRC Form 313 are to be completed on the form itself:

On NRC Form 313, enter the appropriate fee category from 10 CFR 170.31 and the amount of the fee enclosed with the application.

8.13 ITEM 13: CERTIFICATION

Individuals acting in a private capacity are required to date and sign NRC Form 313. Otherwise, representatives of the corporation or legal entity filing the application should date and sign NRC Form 313. Representatives signing an application must be authorized to make binding commitments and to sign official documents on behalf of the applicant. As discussed previously in "Management Responsibility," signing the application acknowledges management's commitment and responsibilities for the radiation protection program. NRC will return all unsigned applications for proper signature.

Note:

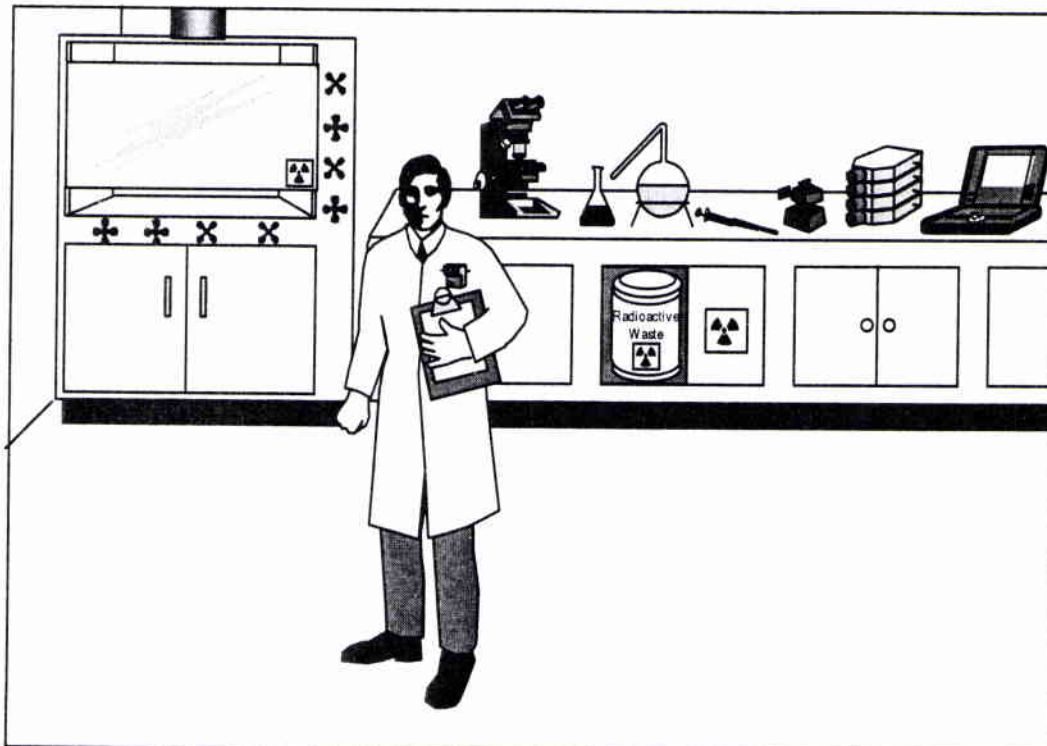
- It is a criminal offense to make a willful false statement or representation on applications or correspondence (18 U.S.C. 1001).
- When the application references commitments, those items become part of the licensing conditions and regulatory requirements.

➔ **8.7.2 AUTHORIZED USER**

Regulations: 10 CFR 20.1101 (b), 10 CFR 30.33(a)(3).

Criteria: Authorized users (AUs) must have adequate training and experience with the types and quantities of licensed material that they propose to use.

Discussion: An AU (also known as “principal investigator”) is a person whose training and experience have been reviewed and approved by NRC, who is named on the license, and who uses or directly supervises the use of licensed material. The AU’s primary responsibility is to ensure that radioactive materials used in his or her particular lab or area are used safely and according to regulatory requirements (See Figure 8.5). The AU is also responsible to ensure that procedures and engineering controls are used to keep occupational doses and doses to members of the public ALARA.



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Figure 8.5 Authorized User. *The Authorized User is responsible for the safe use of licensed material in his or her laboratory or area.*

AUs must have adequate and appropriate training to provide reasonable assurance that they will use licensed material safely, including maintaining security of, and access to, licensed material, and respond appropriately to events or accidents involving licensed material to prevent the spread of contamination.

NRC believes that to demonstrate adequate training and experience the AU should have (1) a college degree at the bachelor level, or equivalent training and experience in physical, chemical, or biological sciences or in engineering; and (2) training and experience commensurate with the scope of proposed activities. Training should include the following subjects:

- Radiation Protection Principles
- Characteristics of Ionizing Radiation
- Units of Radiation Dose and Quantities
- Radiation Detection Instrumentation
- Biological Hazards of Exposure to Radiation (appropriate to the types and forms of byproduct material to be used)
- Hands-on Use of Radioactive Materials.

The amount of training and experience needed will depend upon the type, form, quantity and proposed use of the licensed material requested, but it should cover the subjects stated.

An AU is considered to be supervising the use of radioactive materials when he/she directs personnel in operations involving the licensed material. Although the AU may delegate specific tasks to supervised users (e.g., conducting surveys, keeping records), he/she is responsible for the safe use of radioactive material to assure that areas are not contaminated.

Applicants must name at least one individual who is qualified to use the requested licensed materials. In general, AUs must demonstrate training and experience with the type and quantity of material that they propose to use. For example, someone with training and experience only with sealed radioactive sources may not be qualified to use or supervise the use of unsealed licensed material. In addition, someone with experience using only trace quantities may not understand the risks of working with much larger (e.g., 10 or 100 times larger) quantities of the same substance. Applicants should pay particular attention to the type of radiation involved. For example, someone experienced with gamma emitters may not have appropriate experience for high energy beta emitters.

Response from Applicant: Provide the following:

- Name of each proposed AU with the types and quantities of licensed material to be used
- Information demonstrating that each proposed AU is qualified by training and experience to use the requested licensed materials.

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 I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 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.

<p>Licensee</p> <p>1. Systems & Electronics Inc.</p> <p>2. 201 Evans Lane St. Louis, MO 63121-1126</p>	<p>In accordance with the letter dated May 13, 2008,</p> <p>3. License number 24-23912-01 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date October 31, 2014</p> <hr/> <p>5. Docket No. 030-36717</p> <p>Reference No.</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Hydrogen-3</p>	<p>7. Chemical and/or physical form</p> <p>A. Glass Sealed Capsules (SRB Technologies Type D)</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. 180 millicuries (6.66 GBq) per source, 36 curies (1.33 TBq) total</p>
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9. Authorized use:

A. For possession and storage, as sealed sources in SRB Technologies Inc., Model ES 6510-01 Level Gauges and for installation of these level gauges into the MSTAR ground surveillance (radar) systems, and for testing, demonstrations and/or repair activities, not involving any removal of the sealed tritium sources from the level gauges, as described in application dated November 7, 2003 and letter dated February 3, 2004. Also, to be used for possession incident to distribution in accordance with the conditions of NRC Byproduct Material License No. 24-23912-02E.

CONDITIONS

- 10. Licensed material may be used at the licensee's facilities located at 201 Evans Lane, St. Louis, Missouri and may be used at temporary job sites (as described in application dated November 7, 2003) of the licensee anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material.
- 11. Licensed material shall be used by or under the supervision of William Schardan, Timothy Tullock, Harvey Hartzke, William Joseph Brandon, Denise Malin, Marilyn Rose, Joyce Covey, or Richard Berger.
- 12. A. The Radiation Safety Officer for this license is William Schardan.
- 13. This license does not authorize commercial distribution of licensed material.
- 14. Licensed material shall not be used in or on human beings.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**License Number
24-23912-01Docket or Reference Number
030-36717

Amendment No. 2

15. Sealed sources containing licensed material shall not be opened.
16. The licensee shall conduct a physical inventory every 6 months to account for all sources and/or devices received and possessed under the license.
17. The licensee may transport licensed material in accordance the provisions of 10 CFR Part 71, Packaging and Transportation of Radioactive Material.
18. 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 November 7, 2003;
- B. Letters dated February 3, 2004, October 26, 2004 and February 14, 2006; and
- C. Facsimile dated April 6, 2006.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date _____

By _____

William P. Reichhold
Materials Licensing Branch
Region III