

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.

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| <p style="text-align: center;">Licensee</p> <p>1. [Licensee Name]</p> <p>2. [Licensee Mailing Address] [Street, City, State, Zip Code]</p> | <p>3. License number 00-000000-01</p> <p>4. Expiration date May 31, 2010</p> <p>5. Docket No. 030-00000 Reference No.</p> |
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| <p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Strontium 90</p> <p>B. Krypton 85</p> <p>C. Americium 241</p> <p>D. Cobalt 60</p> <p>E. Cesium 137</p> <p>F. Promethium 147</p> | <p>7. Chemical and/or physical form</p> <p>A. Sealed sources</p> <p>B. Sealed sources</p> <p>C. Sealed sources</p> <p>D. Sealed sources</p> <p>E. Sealed sources</p> <p>F. Sealed sources</p> | <p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. Not Applicable</p> <p>B. Not Applicable</p> <p>C. Not Applicable</p> <p>D. Not Applicable</p> <p>E. Not Applicable</p> <p>F. Not Applicable</p> |
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9. Authorized use:

A. through G. For use and/or possession incident to:

- (1) Installation into or removal from gauging devices.
- (2) Installation, relocation, repair, and servicing of Eurotherm Gauging Systems devices, LFE, and other gauging devices of the same basic design as Eurotherm and LFE devices manufactured by the following companies: ABB Process Automation, Accuray, Advanz, Aeonics, Barber Colman, Betacontrol, FAG, Fife, Indev, Mahlo, Measurex, NDC Systems, Ohmart, and Yokogawa. Leak Testing of sealed sources and radiation surveys of devices are included.
- (3) Instruction and training of individuals in the use of gauging devices.
- (4) Removal and shipping from customers facilities, transfer, and disposal of sealed sources and devices manufactured by Eurotherm Gauging Systems, LFE and other devices manufactured by the companies listed in (2) above received from customers for disposal.

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Docket or Reference Number
030-00000

Amendment No. 01

CONDITIONS

- 10. Licensed material may be used only at temporary job sites 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. A. Licensed material shall be used by, or under the supervision of and in the physical presence of [name of individuals].
B. The Radiation Safety Officer for this license is [insert name].
- 12. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.
- 13. The licensee may transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material".
- 14. 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 [insert date].
 - B. Letter dated [insert date].

For the U.S. Nuclear Regulatory Commission

Date [insert license issue date]

By [Insert Reviewers Name _____]
 Insert reviewers title
 Nuclear Materials Licensing Branch
 Region IV
 Arlington, Texas 76011

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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.

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| Licensee | |
| 1. [Licensee Name] | 3. License number 00-0000-01 |
| 2. [Licensee Address] [City, State, Zip Code] | 4. Expiration date March 31, 2010 |
| | 5. Docket No. 030-00000 Reference No. |

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| 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. Any byproduct material with Atomic Numbers 1 through 96 | A. Any | A. Not to exceed 10 millicuries per radionuclide and 100 millicuries total except as specified in condition 11. |
| B. Any special nuclear material | B. Any | B. Not to exceed 10 microcuries per radionuclide and 100 microcuries total except as specified in Condition 11 |
| C. Cesium 137 | C. Sealed source (NEN Model NER-570) | C. Not to exceed 750 millicuries per source and 1.5 curies total |

9. Authorized use:

A. and B. For use in performing leak tests, sample analysis and instrument calibration as a commercial service for any person as defined in 10 CFR 30.4.

C. For use in a J.L. Shephard and Associates Model 89 LAB-3 Calibrator for calibration of instruments, including commercial calibration service for any person as defined in 10 CFR 30.4.

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CONDITIONS

10. Licensed material may be used only at the licensee's facilities located at [insert street address, city, state].
- A. Licensed material shall be used by, or under the supervision of, [insert name], or individual who have received the training described in [letter/application] dated [fill in date].
- B. The Radiation Safety Officer for this license is [insert name of RSO].
11. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material so that at no time is a quantity of radioactive material possessed in excess of a quantity that requires decommissioning funding in accordance with 10 CFR 30.35(d), 10 CFR 40.36(b), or 10 CFR 70.25(d).
12. A. Sealed sources and detector cells shall be tested for leakage and/or contamination at intervals not to exceed 6 months or at such other intervals as are specified by the certificate of registration referred to in 10 CFR 32.210, not to exceed 3 years.
- B. Notwithstanding Paragraph A of this Condition, sealed sources designed to emit alpha particles shall be tested for leakage and/or contamination at intervals not to exceed 3 months.
- C. 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 or detector cell received from another person shall not be put into use until tested.
- D. Each sealed source fabricated by the licensee shall be inspected and tested for construction defects, leakage, and contamination prior to any use or transfer as a sealed source.
- E. Sealed sources and detector cells need not be leak tested if:
- (i) they contain only hydrogen 3; or
 - (ii) they contain only a gas; or
 - (iii) the half-life of the isotope is 30 days or less; or

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12. (Continued)

- (iv) they contain not more than 100 microcuries of beta and/or gamma emitting material or not more than 10 microcuries of alpha emitting material; or
 - (v) they are not designed to emit alpha particles, are in storage, and are not being used. However, when they are removed from storage for use or transfer to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source or detector cell shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
- F. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. Records of leak test results shall be kept in units of microcuries and shall be maintained for inspection by the Commission. If the test reveals the presence of 0.005 microcurie or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission and the source shall be removed from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The report shall be filed within 5 days of the date the leak test result is known with the U.S. Nuclear Regulatory Commission, Region I, ATTN: Chief, Nuclear Materials Safety Branch, 611 Ryan Plaza Drive, Suite 400, Arlington, Texas 76011. The report shall specify the source involved, the test results, and corrective action taken.
- G. The licensee is authorized to collect leak test samples for analysis by the licensee. Alternatively, tests for leakage and/or contamination may be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.
13. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders or detector cells by the licensee.
14. Licensed material shall not be used in or on human beings.
15. The licensee shall not acquire licensed material in a sealed source or device unless the source or device has been registered with the U.S. Nuclear Regulatory Commission pursuant to 10 CFR 32.210 or equivalent regulations of an Agreement State.
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. Records of inventories shall be maintained for 5 years from the date of each inventory.

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17. The licensee is authorized to hold radioactive material with a physical half-life of less than 65 days for decay-in-storage before disposal in ordinary trash, provided:
 - A. Waste to be disposed of in this manner shall be held for decay a minimum of ten half-lives.
 - B. Before disposal as ordinary trash, the waste shall be surveyed at the container surface with the appropriate survey instrument set on its most sensitive scale and with no interposed shielding to determine that its radioactivity cannot be distinguished from background. All radiation labels shall be removed or obliterated.
 - C. A record of each such disposal permitted under this License Condition shall be retained for three years. The record must include the date of disposal, the date on which the byproduct material was placed in storage, the radionuclides disposed, the survey instrument used, the background dose rate, the dose rate measured at the surface of each waste container, and the name of the individual who performed the disposal.

18. The licensee may transport licensed material in accordance with the provisions of 10 CFR 71, "Packaging and Transportation of Radioactive Material."

19. 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 [insert date].
 - B. Letter dated [insert date].

For the U.S. Nuclear Regulatory Commission

Date [insert issue date]

By [Insert reviewer's name]

Insert reviewer's title
Nuclear Materials Licensing Branch
Region IV
Arlington, Texas 76011