NRC FORM 374

U.S. NUCLEAR REGULATORY COMMISSION

Amendment No. 08

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.

OC 03121 2162351

Licensee	
1. AstenJohnson, Inc.	In accordance with the letter dated **May 11, 2007,** 3. License number 39-32137-01 is amended in it's entirety to read as follows:
2. 4399 Corporate Road Charleston, SC 29405	4. Expiration date February 28, 2009 5. Docket No. 030-34878 Reference No. 030-32554/030-29354/030-30022

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. Americium-241	A. Sealed sources (Amersham Model AMC.P1, Isotope Products Model GFS, BEBIG Model Am 1.PO8, or Amersham Model AMCP6)	A. No single source to exceed 150 millicuries. Total activity 450 millicuries.

9. Authorized Use

A. To be used in NDC Systems Model 104P/104PD gauge for thickness measurements.

CONDITIONS

10. Licensed material may be stored at **564 Shanelly Lane, Port Matilda, Pennsylvania**; 340 Garfield Street, Kingsford, Michigan; **4475 Pouncey Tract Rd, Glenn Allen, Virginia; 8703 Walton Farms Ct, Richmond, Virginia** and used 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 and in the physical presence of, individuals who have completed the NDC Systems training program, or individuals who have been trained as specified in letter dated February 11, 1987, and have been designated by the licensee's Radiation Protection Officer. The licensee shall maintain records of the individuals who have been designated as authorized users.

B. The Radiation Safety Officer for the activities authorized by this license is Jason Barnett.

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12. A. (1) The source(s) specified in Item(s) 7.A. shall be tested for leakage and/or contamination at intervals not to exceed 6 months. Any source received from another person which is not accompanied by a certificate indicating that a test was performed within 6 months before the transfer shall not be put into use until tested.

(2) Notwithstanding the periodic leak test required by this condition, any licensed sealed source is exempt from such leak tests when the source contains 100 microcuries or less of beta and/or gamma emitting material or 10 microcuries or less of alpha emitting material.

B. Any source in storage and not being used need not be tested. When the source is removed from storage for use or transfer to another person, it shall be tested before use or transfer.

C. The leak test shall be capable of detecting the presence of 0.005 microcurie (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie (185 becquerels) or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(c)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations.

D. Tests for leakage and/or contamination shall be performed by persons specifically licensed by the Commission or an Agreement State to perform such services. In addition, the licensee is authorized to collect leak test samples but not perform analysis; analysis of leak test samples must be performed by persons specifically licensed by the commission or an Agreement State to perform such services.

13. Sealed sources containing licensed material shall not be opened or removed from the gauges by the licensee.

14. Each portable gauge shall have a lock or locked outer container designed to prevent unauthorized or accidental removal of the sealed source from the shielded position. The gauge or its container must be locked when in transport, storage, or when not under the direct surveillance of an authorized user.

15. The licensee shall conduct a physical inventory every six (6) months or at other intervals specified by the NRC 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, manufacturer's name and model numbers, location of sealed sources and the date of the inventory.

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

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17. **Each portable nuclear gauge shall have a lock or outer locked container designed to prevent unauthorized or accidental removal of the sealed source from its shielded position. The gauge or its container must be locked when in transport. A minimum of two independent physical controls that form tangible barriers to secure portable gauges from unauthorized removal whenever the portable gauge is not under the control and constant surveillance of the licensee are required.**

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. Applications dated June 25, 1986 and October 28, 1991;

    B. Letters dated February 11, 1997, November 4, 1998, February 1, 1999, March 9, 2000 (with attachments), February 26, 2002 (with enclosures), February 10, 2006, **May 11, 2007, July 17, 2007 and July 27, 2007**; and

    C. Facsimiles dated April 3, 2000, August 13, 2004, and May 26, 2006.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

DATE AUG 02 2007

BY Toye L. Simmons
Toye L. Simmons
Materials Licensing Branch
Region III