NRC FO	RM	374
--------	----	-----

U.S. NUCLEAR REGULATORY COMMISSION

PAGE 1 OF 3 PAGES
Amendment No. 7

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.

Licensee		In accordance with the application dated				
		July 23, 2012,				
Bortolot Daybreak Corporation		3. License number 06-17253-01 is amended in its entirety to read as follows:				
	CLEAR	REGI.				
2. 50 Denison Drive	CLE	4. Expiration date September 30, 2022				
Guilford, Connecticut 06437	30	5. Docket No. 030-12440				
5		Reference No	a. O			
Byproduct, source, and/or special nuclear material	7. Chemical and/or	r physical form	Maximum amount that licensee may possess at any one time under this license			
A. Strontium 90	A. Sealed Source Pharmaceutice 77241)	es (IC <mark>N</mark> als, Model No.	A. 0.01 microcuries per source and 0.01 microcuries total			
B. Strontium 90	B. Sealed Source Pharmaceutice 75129)	es (ICN als, Model No.	B. 100 millicuries per source and 100 millicuries total			
C. Americium 241	C. Sealed Source (Amersham/S AMM)	es earle Model No.	C. 1 millicurie per source and 1 millicurie total			

- A. Calibration and checking of the licensee's instruments.
- B. and C. Sensitivity calibrations of ceramic and other mineral materials for the purpose of thermoluminescent and optically stimulated luminescent dating.

CONDITIONS

- 10. Licensed material may be used or stored only at the licensee's facilities located at 50 Denison Drive, Guilford, Connecticut and 11 Sycamore Way, Unit 110, Branford, Connecticut.
- 11. A. Licensed material shall be used by, or under the supervision of, Victor J. Bortolot, Ph.D.
 - B. The Radiation Safety Officer for this license is Victor J. Bortolot, Ph.D.

NRC FORM 374A		PAGE	2	OF	3	PAGES
	License Number 06-17253-01					
MATERIALS LICENSE SUPPLEMENTARY SHEET	Docket or Reference Nur 030-12440	mber				
	Amendment No. 7	,				

- 12. This license does not authorize commercial distribution of licensed material.
- 13. A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed six months or at the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State.
 - B. Notwithstanding Paragraph A of this Condition, sealed sources designed to primarily 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 leak test has been made within the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State, prior to the transfer, a sealed source received from another person shall not be put into use until tested and the test results received.
 - D. Sealed sources need not be tested if they contain only hydrogen-3; or they contain only a radioactive gas; or the half-life of the isotope is 30 days or less; or they contain not more than 100 microcuries of beta- and/or gamma-emitting material or not more than 10 microcuries of alpha-emitting material.
 - E. Sealed sources need not be tested if they are in storage and are not being used; however, when they are removed from storage for use or transferred 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 shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
 - F. 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.
 - G. Tests for leakage and/or contamination, including leak test sample collection and analysis, shall be performed by the licensee or by other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
 - H. Records of leak test results shall be kept in units of microcuries and shall be maintained for 5 years.
- 14. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.

NRC	FORM 374A		PAGE	3	OF	3	PAGES	
		License Number 06-17253-01						
	MATERIALS LICENSE SUPPLEMENTARY SHEET	Docket or Reference N 030-12440	umber					
		Amendment No.	7					
15.	15. The licensee shall conduct a physical inventory every six months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, 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 and shall include the radionuclides, quantities, manufacturer's name and model numbers, and the date of the inventory.							
16.	The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."							

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 U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application

By

For the U.S. Nuclear Regulatory Commission

Commercial and R&D Branch

Division of Nuclear Materials Safety

King of Prussia, Pennsylvania 19406

Dennis R. Lawyer

Region I

Original signed by Dennis R. Lawyer

and correspondence are more restrictive than the regulations.

Application dated July 23, 2012 (ML12223A088)

September 19, 2012

17.

Date

A.