NRC FORM 374	U.S. NUCLEAR REGULATO	RY COMMISSION	PAGE <u>1</u> OF <u>4</u> PAGES Amendment No 04	
Duninato	MATERIALS L	ICENSE	 Dunlicate 	
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 wit	h the letter dated	
		April 11, 2003,		
1. Michael Baker, Jr., Inc.		3. License number 3	37-28518-01 is amended in	
	EARP	its entirety to read		
2. Airside Business Park		4. Expiration date S	eptember 30, 2005	
100 Airside Drive	Ê.	5. Docket No. 030-31690		
Moon Township, Pennsylvania 151	108	Reference No.		
		and the second s	eritmes.	
 Byproduct, source, and/or special nuclear material Chemical and/or physical form nuclear material Chemical and/or physical form nuclear material Cesium 137 Sealed sources Maximum amount that licensee may possess at any one time under this license A. Cesium 137 B. Americium 241 B. Sealed neutron sources B. 500 millicuries Sources Sourc				
Corp., Humboldt Scientific, Inc., Seaman Nuclear Corporation, or Soiltest, Incorporated portable gauging devices for measuring physical properties of materials.				
CONDITIONS				
10. Licensed material may be stored at the licensee's facilities located at 4301 Dutch Ridge Road, Beaver, Pennsylvania and 1200 Georgetown Lane, Beaver, Pennsylvania and 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 only be used by, or under the supervision and in the physical presence of individuals who have successfully completed the manufacturer's training program for gauge users, have been instructed in the licensee's routine and emergency operating procedures and who have been designated in writing by the Radiation Safety Officer.				
 B. The Radiation Safety Officer for this license is Charles T. Baca. DUDICATE DUDICATE DUDICATE 12. A. Sealed sources and detector cells containing licensed material shall be tested for leakage and/or contamination at intervals not to exceed six months or at such other intervals as are specified by the 				

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-	Duplicate Dup MATERIALS LICENSE SUPPLEMENTARY SHEET	License Number 37-28518-01 Docket or Reference Number 030-31690
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	certificate of registration referred to in 10 CFR	32.210, not to exceed three years.
В.	Notwithstanding Paragraph A of this Condition be tested for leakage and/or contamination at i	sealed sources designed to emit alpha particles shall ntervals not to exceed three months.
C.	In the absence of a certificate from a transferor months prior to the transfer, a sealed source of be put into use until tested.	r indicating that a leak test has been made within six detector cell received from another person shall not
D.	Each sealed source fabricated by the licensee leakage, and contamination prior to any use or	shall be inspected and tested for construction defects, 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 radioactive gas; or	
	(iii) the half-life of the isotope is 30 days or le	SS, Of
	(iv) they contain not more than 100 microcuri than 10 microcuries of alpha emitting mat	es of beta and/or gamma emitting material or not more terial; or
	(v) they are not designed to emit alpha particle when they are removed from storage for tested within the required leak test interva sealed source or detector cell shall be stor tested for leakage and/or contamination.	les, are in storage, and are not being used. However, use or transfer to another person, and have not been al, they shall be tested before use or transfer. No ored for a period of more than 10 years without being
F.	The test shall be capable of detecting the presence of test sample. If the test reveals the presence of contamination, a report shall be filed with the U detector cell shall be removed immediately from of in accordance with Commission regulations. the leak test result is known with the U.S. Nucle Nuclear Materials Safety Branch, 475 Allendale report shall specify the source or detector cell i	ence of 0.005 microcurie of radioactive material on the 0.005 microcurie or more of removable S. Nuclear Regulatory Commission and the source or n service and decontaminated, repaired, or disposed The report shall be filed within five days of the date ear Regulatory Commission, Region I, ATTN: Chief, Road, King of Prussia, Pennsylvania 19406. The nvolved, the test results, and corrective action taken.
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	G. The licensee Inc. Alternat licensed by t	is authorized to coll ively, tests for leaka ne Commission or a	lect leak test samples ge and/or contamina n Agreement State to	s for analysis by T tion may be perfor p perform such se	roxler Electronic med by persons rvices.	Laboratorie specifically	∋s, ∕
13.	 Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee. 						
14.	 The licensee shall conduct a physical inventory every six months to account for all sealed sources and devices containing licensed material received and possessed under the license. 						
15.	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.				е		
16.	16. 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, storage or when not under the direct surveillance of an authorized user.				ed e		
17.	17. Any cleaning, maintenance, or repair of the gauge(s) that requires removal of the source rod shall be performed only by the manufacturer or by other persons specifically licensed by the Commission or an Agreement State to perform such services.						
18.	 The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material." 				art		
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19	Except as	s specifically provided otherwise in this license th	ne licensee shall conduct its program in
10.	accordan	ce with the statements, representations, and pro	cedures contained in the documents, including
	any enclo statemen	sures, listed below. The Nuclear Regulatory Col ts, representations, and procedures in the license	ee's application and correspondence are more
	restrictive	than the regulations.	
	A. Appl	ication dated May 25, 1995	
	B. Lette	er dated August 3, 1995	
		For the U.S	S. Nuclear Regulatory Commission

By

Date _______13_2003______

Original signed by Judith A. Joustra

Judith A. Joustra Nuclear Materials Safety Branch 2 Division of Nuclear Materials Safety Region I King of Prussia, Pennsylvania 19406

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