11 da.) 10 CF# 30. 31. 33. 34. 20 and 40	APPLICATION FOR MATERIAL LICENSE	
THE R. P. LEWIS CO., NAME AND ADDRESS OF TAXABLE PARTY.		OR DETAILED INSTRUCTICUS FOR COMPLETING APPLICATION. SEND TWO COPIES
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	DISTRICT OF DOLUMOIA MAINE MARVLAND. EV. NEW YORK, FENNRYLVANIA, RHODE IBLAND, ATIONS TO:	ARKANSAS COLORADO IDANO, KANSAS, LOUISIARA, MONTANA, NEPRASKA, NEW MEKIDO, MORTH DAKOTA, DE LANDHA, BOUTH DAKOTA, TEKAS, UTAH, DR WYOMING, BEND APPLICATIONS TO
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TERSONS LOCATED IN AGRE	MENT STATES SEND APPLICATIONS TO THE U.S. NUOLE	AR REDULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL
X A NEW LICENSE	DR (Check opproprises liem)	2. NAME AND MAILING ADDRESS OF APPLICANT //m// 20 5-0-
the second se	ENSE NUMPER	COUNTY OF KAUAI
D. AENEWAL OF LICEN	ENUMBER	DEPARTMENT OF PUBLIC WORKS 4444 RICE STREET, ROOM #230
	SED MATERIAL WILL BE USED OR POSSESSED.	LIHUE, HAWAII 96766
LINO ITT DALEY	PUBLIC WORKS	Hawaii only
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	Ceslum 137	sealed source CPN Dwg 131	not to exceed 10 mCi	
	Americium/Be	sealed source CPN Dwg 131	not to exceed 50 mC1	

Sealed sources are in CPN moisture density gauge MC-3-122 serial number M39068928

OFFICE OF

Item 6. Moisture and density measurement of construction materials.

Item 7. Mario Antonio Will be trained by CFN one day seminar 17 August 1989

THE

MAYOR

P. 84

Russell Sugano Will be trained by CPN One day seminar 17 August 1989

Arnold Leong Trained by Troxler Electr Labs. Two day seminar 20 February 1980

Item 8. Radiation safety training for individuals has been provided by Troxler Electronic Labs. and will be provided for others by CPN Corporation. Both are one day seminars.

Item 9. Normal storage of the gauge is with the gauge in the stored safe position, locked in its transport case which will be stored in a locked 2 hour fire rated 4'x4'x4' cabinet. External cabinet placards and signage will indicate the contents of the cabinet. The cabinet will be located in an uninhabited secured storage building constructed of masonry walls and steel framing and roofing. The building is secured during nonbusiness hours by a chainlink and barbed wire fence.

The moisture density gauge will be transported in a full sized van with a minimum separation of 6 feet between the driver and passenger and the closest edge of the transport case. The driver and passenger will be required to wear a film badge whenever transporting the gauge. The gauge will not be left unsecured or unattended in the field. When the gauge is in the transport vehicle, the vehicle will be locked when unattended.

Item 10. Unauthorized personnel will not be allowed in the close vicinity of the gauge. Authorized persons will be required to wear film badges when in the proximity of the gauage. Film badges are supplied by RS Landauer Jr Company and will be exchanged monthly.

Radiation survey equipment is availiable for use from the Kauai County Civil Defense Agency. The meters are Victoreen models 6, 6A, & 6B range 0-50 mR/H Anton models 5 & 6 range 0-50 mR/H Lignel model 6B range 0-50 mR/H Victoreen models 1A & 1B range 0-500 R/H These meters are calibrated every 4 years. The current inventory of radiation survey meters are in excess of 100 (hundred) and the availiability and access to a meter calibrated within a calender year period is readily availiable.

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Leak testing will be performed by licensee every 6 months utilizing wipes provided by CPN Corporation and analyzed by their contractor.

Any maintenance performed on the gauge will be with the lowest allowable level concept'. The gauge will be positioned so that any radiation will be away from any personnel. Any cleaning of the source rod will be performed with long handled brushes and or swabs, with the gauge placed on its side and the source rod extended away from the operator. In the event the source rod has to be removed from the gauge such as to allow cleaning of the wiper rings etc., the rod will immediately, after removal from the gauge, be placed in a protective shield purchased from CPN Corp. Procedure for removal of the source rod is as follows: Gauge will be placed on its side on a bench with the base facing away from the operator. The source rod shield will be placed parallel to the source rod with the opening of the shield facing the source rod handle and immediately adjacent the source rod and about even with the top of the gauge casing, to facilitate minimal handling and exposure from the source rod. Lower the source rod to midway between safe and backscatter. Dismantle the retaining fasteners on the indexing guide. Remove the source rod from the indexing guide by pulling the source rod outwards and place the source rod into the shield. Place the shielded source rod with the shield opening facing away from any personnel in the close vicinity. Reverse the procedure for reinstallation of the source rod into the gauge. Survey meters will be utilized whenever any maintenance involving the removal of the source rod or shielding takes place.

Other than the user, only CPN or its designated representative will perform maintenance on the gauge.

Operating and emergency procedures are as follows:

 All authorized personnel in the immediate area will be required to wear monitoring devices.
 The moisture density gauge will only be operated by trained and certified operators. 3. Storage and transportation of the gauge will be as described in item 9.

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4. Other than the manufacturer or its representative, only certified and trained operators will perform leak testing of the gauge.

OF

THE

MAYOR

5. In case of emergency such as loss or damage to sealed sources, the following steps will be taken. Police will be notified via 911 and the information relayed will be that there is an incident/loss involving radioactive materials. Security for the area or theft/recovery investigation is requested and that Civil Defense be notified. The radiation Safety Officer(s) will then be notified. The RSO will notify NRC, Walnut Creek, California, Phone number 415-943-3700 and keep the NRC up to date on the disposition of the sealed sources. CPN Corp. will be notified phone number 415-228-9770. If damage to the instrument occurs, the area will be immeadiately secured against entry and Civil Defense response with measuring devices will be requested. Recovery of the source will be in line with the lowest allowable level concept using shellding or distance to provide protection.

Item 11. Sealed sources/moisture density gauge will be returned to CPN for disposal for whatever reasons.

70998

BETWEEN:	(FOR LEWS USE) INFORMATION FROM LTS	
License Fee Management Branch, ARM and Regional Licensing Sections	Program fode: Status Code: 3 Fee Category: Exp. Date: 0 Fee Comments:	
LICENSE FEE TRANSMITTAL A. REGION 1. APPLICATION ATTACHED Applicant/Licensee: KAUAI, COUNTY Received Date: B90619 Docket No: 3031210 Control No.: 570998 License No.: 570998 License No.: New Licensee 2. FEE ATTACHED 4230 Amount: 57017 3. COMMENTS Signed Date		
B. LICENSE FEE MANAGEMENT BRANCH (Check 1. Fee Category and Amount: 37	when milestone 03 is entered ()	
1. Fee Category and Amount: <u>37</u> 2. Correct Fee Paid. Application may in Amendment Renewal License	be processed for: 170. 11465)	
3. OTHER		
Signed Date	n. numing	



County of Kauai ATTN: Mr. Arnold W. F. Leong Deputy County Engineer Department of Public Works 4444 Rice Street, Room #230 Lihue, HI 96766

CO 10 A10: 15

Gentlemen:

Enclosed is Check No. 50025 (\$230) which accompanied your June 6, 1989 application for a materials license.

Section 170.11(a)(9) of Part 170, copy enclosed, provides that no fees will be required for "A license for possession and use of byproduct material, source material, or special nuclear material applied for by, or issued to, an agency of a State or any political subdivision thereof." The County of Kauai, HI is therefore, exempt from payment of license fees.

Your application has been sent to the Licensing staff for processing.

Sincerely,

Signed by: Glenda Jackson

Glenda esckson License Fee Management Branch Division of Accounting and Finance Office of the Controller

Enclosures: 1. Check No. 50025 (\$230) 2. 10 CFR 170

DISTRIBUTION: Pending Fee File OC DAF R/F LFMB R/F (2) DW/ABC/County of Kauai

	Previous Conc	urrence
OFFICE:	OC/LFMB	OC/LFMB
SURNAME :	MMessier:bg	GJackson
DATE:	6/30/89	7/3/89

NRC FORM 213 (1.64) 10 CFR 30, 32, 33, 34, 31 and 40 APPLICATION FOR	U.S. NUCLEAR REGULATORY COMMISSIC APPROVED BY ON 3160-0120 ENDING 5-31-67	
	030-31210	
INSTRUCTIONS: 1. THE APPROPRIATE LICENSE APPLICATION GUIDE FOR D OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BE	ETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES	
FEDERAL AGENCIES FILE APPLICATIONS WITH	IF YOU ARE LOCATED IN	
U.S. NUCLEAR REGULATORY COMMISSION	LLINDE INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCOMMN, SEND APPLICATIONS TO:	
WASHINGTON, DC 20665 ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS, IF YOU ARE	U.S. NUCLEAR REGULATORY COMMISSION REGION HI	
LOJATED IN: CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE, MARYLAND, MABBACHURETTS, NEW JERSEY, NEW YORK, PENNSYLVANIA, RHODE ISLAND,	GLEN ELLYN, IL 60137 ZYZZZY	
OR VERMONT, SEND APPLICATIONE TO: U.E. NUCLEAR REGULATORY COMMISSION, REGION I NUCLEAR MATERIAL SECTION B 631 FARK AVENUE	NEW MEXICO, NORTH DAKOTA, OKLAHOMA, SOUTH DAKOTA, TEXAS, UTAH, OR WYOMING, SEND APPLICATIONS TO: U.S. NUCLEAR REGULATORY COMMISSION, REGION IV	
KING OF PRUSSIA, PA 19406 ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA,	MATERIAL RADIATION PROTECTION SECTION 611 RVAN PLAZA DRIVE, SUITE 1000 ARLINGTON, TX 76011	
PLEATO RICO, BOUTH CAROLINA, TENNESSEE, VIPGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, BEND APPLICATIONE TO:	ALASKA, ARIZONA, CALIFORNIA, HAWAII, NEVADA, OREGON, WASHINGTON, AND U.S. TERRITORIES AND POSSESSIONS IN THE PACIFIC, SEND APPLICATIONS TO:	
U.S. NUCLEAR REGULATORY COMMISSION, REGION II MATERIAL RADIATION PROTECTION SECTION 101 MARIETTA STREET, SUITE 2000 ATLANTA, GA 30323	U.S. NUCLEAR REGULATORY COMMISSION, REGION V MATERIAL RADIATION PROTECTION SECTION 1450 MARIA LANE, SUITE 210 WALNUT CREEK, CA 54596	
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THIS IS AN APPLICATION FOR (Check appropriate item)	2. NAME AND MAILING ADDRESS OF APPLICANT (Include Zo Code)	
	COUNTY OF KAUAI DEPARTMENT OF PUBLIC WORKS	
AMENDMENT TO LICENSE NUMBER C. RENEWAL OF LICENSE NUMBER	4444 RICE STREET, ROOM #230	
	LIHUE, HAWAII 96766	
4380 LELE ROAD, HANAPEPE, HI 96716 NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION ARNOLD W.F. LEONG, DEPUTY COUNTY ENGINEER	TELEPHONE NUMBER (808) 245-3602	
UBMIT ITEMS & THROUGH 11 ON 8% x 11" PAPER. THE TYPE AND SCOPE OF INFORMATIO	N TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE	
RADIOACTIVE MATERIAL a. Element and mass number, b. chemical and/or physical form, and c. maximum amount which will be possessed at any one time.	6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.	
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FACILITIES AND EQUIPMENT.	10. RADIATION SAFETY PROGRAM.	
I. WASTE MANAGEMENT.	12 LICENSEE FEES (See 10 CFR 170 and Section 170.31) FEE CATEGORY IC ENCLOSED \$ 230.00	
D. CERTIFICATION. IMUST be complited by applicant. THE APPLICANT UNDERSTANDS THAT BINDING UPON THE APPLICANT THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF PREPARED IN CONFORMITY WITH TITLE 10. CODE OF FEDERAL REGULATIONS. PARTS IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF. WARNING IB U.S.C. SECTION 1001 ACT OF JUNE 25, 1948, 62 STAT 749 MAKES IT A CRI THE ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITH GNATURE CERTIFYING OFFICER TYPED/PRINTED NAME ARNOLD W.F. LEONG	THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS 30, 32, 33, 34, 35, AND 40 AND THAT ALL INFORMATION CONTAINED HEREIN.	
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\$500K-750K \$7M-10M C NUMBER OF BEDS	the agency in confidence)	
FOR NRC U		
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App Jun - 3- (EX3P	170, 116) (Date	
230 SUOZS 4c. retu	and DATE Strifts	
VACY ACT STATEMENT ON THE REVERSE	70498	

NRC Form 313 add.

Item 5.	Cesium 137	sealed source CPN Dwg 131	not to exceed 10 mCi
	Americium/Be	sealed source CPN Dwg 131	not to exceed 50 mCi

Sealed sources are in CPN moisture density gauge MC-3-122 serial number M39068928

Item 6. Moisture and density measurement of construction materials.

	Mario Antonio	trained by CPN seminar 17 August 1989
	Russell Sugano	trained by CPN seminar 17 August 1989
	Arnold Leong	by Troxler Electr Labs. seminar 20 February 1980

Item 8. Radiation safety training for individuals has been provided by Troxler Electronic Labs. and will be provided for others by CPN Corporation. Both are one day seminars.

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The moisture density gauge will be transported in a full sized van with a minimum separation of 6 feet between the driver and passenger and the closest edge of the transport case. The driver and passenger will be required to wear a film badge whenever transporting the gauge. The gauge will not be left unsecured or unattended in the field. When the gauge is in the transport vehicle, the vehicle will be locked when unattended.

Item 10. Unauthorized personnel will not be allowed in the close vicinity of the gauge. Authorized persons will be required to wear film badges when in the proximity of the gauage. Film badges are supplied by RS Landauer Jr Company and will be exchanged monthly.

Radiation survey equipment is availiable for use from the Kauai County Civil Defense Agency. The meters are Victoreen models 6, 6A, & 6B range 0-50 mR/H Anton models 5 & 6 range 0-50 mR/H Lionel model 6B range 0-50 mR/H Victoreen models 1A & 1B range 0-500 R/H These meters are calibrated every 4 years.

Leak testing will be performed by licensee every 6 months utilizing vipes provided by CPN Corporation and analyzed by their contractor.

Any maintenance performed on the gauge will be with the 'lowest allowable level concept'. The gauge will be positioned so that any radiation will be away from any personnel. Any cleaning of the source rod will be performed with long handled brushes and or swabs, with the gauge placed on its side and the source rod extended away from the operator. In the event the source rod has to be removed from the gauge such as to allow cleaning of the wiper rings etc., the rod will immediately, after removal from the gauge, be placed in a protective shield purchased from CPN Corp. Procedure for removal of the source rod is as follows: Gauge will be placed on its side on a bench with the base facing away from the operator. The source rod shield will be placed parallel to the source rod with the opening of the shield facing the source rod handle and immediately adjacent the source rod and about even with the top of the gauge casing, to facilitate minimal handling and exposure from the source rod. Lower the source rod to midway between safe and backscatter. Dismantle the retaining fasteners on the indexing guide. Remove the source rod from the indexing guide by pulling the source rod outwards and place the source rod into the shield. Place the shielded source rod with the shield opening facing away from any personnel in the close vicinity. Reverse the procedure for reinstallation of the source rod into the gauge. Survey meters will be utilized whenever any maintenance involving the removal of the source rod or shielding takes place.

Other than the user, only CPN or its designated representative will perform maintenance on the gauge.

Operating and emergency procedures are as follows: All authorized personnel in the immediate area will be required to wear monitoring devices.

The moisture density gauge will only be operated by trained and certified operators.

Storage and transportation of the gauge will be as described in item 9.

Other than the manufacturer or its representative, only certified and trained operators will perform leak testing of the gauge.

In case of emergency such as loss or damage to sealed sources, the following steps will be taken. Police will be notified via 911 and the information relayed will be that there is an incident/loss involving radioactive materials. Security for the area or theft/recovery investigation is requested and that Civil Defense be notified. The radiation Safety Officer(s) will then be notified. The RSO will notify NRC, Walnut Creek, California, Phone number 415-943-3700 and keep the NRC up to date on the disposition of the sealed sources. CPN Corp. will be notified phone number 415-228-9770. If damage to the source occurs, the area will be sealed against entry and Civil Defense response with measuring devices will be requested. Recovery of the source will be in line with the lowest allowable level concept using sheilding or distance to provide protection.

Item 11. Sealed sources/moisture density gauge will be returned to CPN for disposal for whatever reasons.