

30-25702

NRC Form 313 I (12-81) 10 CFR 30		U.S. NUCLEAR REGULATORY COMMISSION		1. APPLICATION FOR: (Check and/or complete as appropriate)													
APPLICATION FOR BYPRODUCT MATERIAL LICENSE INDUSTRIAL				<input checked="" type="checkbox"/>	a. NEW LICENSE												
<i>See attached instructions for details.</i>					b. AMENDMENT TO: LICENSE NUMBER												
<i>Completed applications are filed in duplicate with the Division of Fuel Cycle and Material Safety, Office of Nuclear Material Safety, and Safeguards, U.S. Nuclear Regulatory Commission, Washington, DC 20555 or applications may be filed in person at the Commission's office at 1717 H Street, NW, Washington, D. C. or 7015 Eastern Avenue, Silver Spring, Maryland.</i>					c. RENEWAL OF: LICENSE NUMBER												
2. APPLICANT'S NAME (Institution, firm, person, etc.) IRECO Incorporated TELEPHONE NUMBER: AREA CODE - NUMBER EXTENSION (801) 364-4800 Ext. 203			3. NAME AND TITLE OF PERSON TO BE CONTACTED REGARDING THIS APPLICATION Reiner Lenzen R.P.O. TELEPHONE NUMBER: AREA CODE - NUMBER EXTENSION (801) 364-4800 Ext. 203														
4. APPLICANT'S MAILING ADDRESS (Include Zip Code) (Address to which NRC correspondence, notices, bulletins, etc., should be sent.) 3000 West 8600 South West Jordan, Utah 84084			5. STREET ADDRESS WHERE LICENSED MATERIAL WILL BE USED (Include Zip Code) High Explosives Road Kingsbury Industrial Park Kingsbury, Indiana 46345														
(IF MORE SPACE IS NEEDED FOR ANY ITEM, USE ADDITIONAL PROPERLY KEYED PAGES.)																	
6. INDIVIDUAL(S) WHO WILL USE OR DIRECTLY SUPERVISE THE USE OF LICENSED MATERIAL (See Items 16 and 17 for required training and experience of each individual named below)																	
FULL NAME			TITLE														
a.	Lenzen, Reiner			R.P.O.													
b.	Ray, Mike			Plant Manager													
c.																	
7. RADIATION PROTECTION OFFICER Lenzen, Reiner			Attach a resume of person's training and experience as outlined in Items 16 and 17 and describe his responsibilities under Item 15.														
8. LICENSED MATERIAL																	
L I N E NO.	ELEMENT AND MASS NUMBER A	CHEMICAL AND/OR PHYSICAL FORM B	NAME OF MANUFACTURER AND MODEL NUMBER (If Sealed Source) C	MAXIMUM NUMBER OF MILLICURIES AND/OR SEALED SOURCES AND MAXIMUM ACTI- VITY PER SOURCE WHICH WILL BE POSSESSED AT ANY ONE TIME D													
(1)	Cs137	Solid-Sealed Source	Ohmart, Densart 3000 with SR-1A Source Holder	100mCi, Sealed Source, one only													
(2)																	
(3)																	
(4)																	
DESCRIBE USE OF LICENSED MATERIAL E																	
(1)	Monitoring and control of density in product manufacture.																
(2)	8508120592 850725 REG3 LIC30 13-24514-01 PDR																
(4)	<table border="1"><tr><td>Applicant</td><td>May 30 1984</td></tr><tr><td>Check No.</td><td>539782 (\$120)</td></tr><tr><td>Amount, Fee Category</td><td>100+</td></tr><tr><td>Type of Fee</td><td>Application</td></tr><tr><td>Date Check Rec'd</td><td>5/28/85</td></tr><tr><td>Received By</td><td>J. A. [Signature]</td></tr></table>					Applicant	May 30 1984	Check No.	539782 (\$120)	Amount, Fee Category	100+	Type of Fee	Application	Date Check Rec'd	5/28/85	Received By	J. A. [Signature]
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9. STORAGE OF SEALED SOURCES

LINE NO.	CONTAINER AND/OR DEVICE IN WHICH EACH SEALED SOURCE WILL BE STORED OR USED. A.	NAME OF MANUFACTURER B.	MODEL NUMBER C.
(1)	Source housing Lead pig with pneumatic shutter	Ohmart	SR-1A
(2)			
(3)			
(4)			

10. RADIATION DETECTION INSTRUMENTS

LINE NO.	TYPE OF INSTRUMENT A	MANUFACTURER'S NAME B	MODEL NUMBER C	NUMBER AVAILABLE D	RADIATION DETECTED (alpha, beta, gamma, neutron) E	SENSITIVITY RANGE (milliroentgens/hour or counts/minute) F
(1)	Survey Meter	Victoreen	492 or Equiv.	1 will be purchased for Kingsbury	Gamma	10mr./Hr.
(2)						
(3)						
(4)						

11. CALIBRATION OF INSTRUMENTS LISTED IN ITEM 10

☒ a. CALIBRATED BY SERVICE COMPANY

NAME, ADDRESS, AND FREQUENCY
Stabro Labs, 25 Kensington Ave.
Salt Lake City, Utah 84115
Every Six Months

☐ b. CALIBRATED BY APPLICANT

Attach a separate sheet describing method, frequency and standards used for calibrating instruments.

12. PERSONNEL MONITORING DEVICES

TYPE (Check and/or complete as appropriate.) A	SUPPLIER (Service Company) B	EXCHANGE FREQUENCY C
<input type="checkbox"/> (1) FILM BADGE See additions <input type="checkbox"/> (2) THERMOLUMINESCENCE DOSIMETER (TLD) <input type="checkbox"/> (3) OTHER (Specify): _____ _____ _____		<input type="checkbox"/> MONTHLY <input type="checkbox"/> QUARTERLY <input type="checkbox"/> OTHER (Specify): _____ _____ _____

13. FACILITIES AND EQUIPMENT (Check where appropriate and attach annotated sketch(es) and description(s).)

- ☒ a. LABORATORY FACILITIES, PLANT FACILITIES, FUME HOODS (Include filtration, if any), ETC.
☐ b. STORAGE FACILITIES, CONTAINERS, SPECIAL SHIELDING (fixed and/or temporary), ETC.
☐ c. REMOTE HANDLING TOOLS OR EQUIPMENT, ETC.
☐ d. RESPIRATORY PROTECTIVE EQUIPMENT, ETC.

14. WASTE DISPOSAL

a. NAME OF COMMERCIAL WASTE DISPOSAL SERVICE EMPLOYED
NA

b. IF COMMERCIAL WASTE DISPOSAL SERVICE IS NOT EMPLOYED, SUBMIT A DETAILED DESCRIPTION OF METHODS WHICH WILL BE USED FOR DISPOSING OF RADIOACTIVE WASTES AND ESTIMATES OF THE TYPE AND AMOUNT OF ACTIVITY INVOLVED. IF THE APPLICATION IS FOR SEALED SOURCES AND DEVICES AND THEY WILL BE RETURNED TO THE MANUFACTURER, SO STATE.

See Additions

INFORMATION REQUIRED FOR ITEMS 15, 16 AND 17

Describe in detail the information required for Items 15, 16 and 17. Begin each item on a separate page and key to the application as follows:

15. **RADIATION PROTECTION PROGRAM.** Describe the radiation protection program as appropriate for the material to be used including the duties and responsibilities of the Radiation Protection Officer, control measures, bioassay procedures (if needed), day-to-day general safety instruction to be followed, etc. If the application is for sealed source's also submit leak testing procedures, or if leak testing will be performed using a leak test kit, specify manufacturer and model number of the leak test kit.
16. **FORMAL TRAINING IN RADIATION SAFETY.** Attach a resume for each individual named in Items 6 and 7. Describe individual's formal training in the following areas where applicable. Include the name of person or institution providing the training, duration of training, when training was received, etc.
 - a. Principles and practices of radiation protection.
 - b. Radioactivity measurement standardization and monitoring techniques and instruments.
 - c. Mathematics and calculations basic to the use and measurement of radioactivity.
 - d. Biological effects of radiation.
17. **EXPERIENCE.** Attach a resume for each individual named in Items 6 and 7. Describe individual's work experience with radiation, including where experience was obtained. Work experience or on-the-job training should be commensurate with the proposed use. Include list of radioisotopes and maximum activity of each used.

18. CERTIFICATE

(This item must be completed by applicant)

The applicant and any official executing this certificate on behalf of the applicant named in Item 2, certify that this application is prepared in conformity with Title 10, Code of Federal Regulations, Part 30, and that all information contained herein, including any supplements attached hereto, is true and correct to the best of our knowledge and belief.

WARNING.—18 U.S.C., Section 1001; Act of June 25, 1948; 62 Stat. 749; makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

<p>a. LICENSE FEE REQUIRED (See Section 170.31, 10 CFR 170)</p> <p>\$110.00</p>	<p>b. CERTIFYING OFFICIAL (Signature) <i>Reiner Lenzen</i></p> <p>c. NAME (Type or print) Reiner Lenzen</p>
<p>(1) LICENSE FEE CATEGORY: Specific</p> <p>(2) LICENSE FEE ENCLOSED: \$110.00</p>	<p>d. TITLE Radiation Protection Officer</p> <p>e. DATE 17 May 1985</p>