### Corn Products

a Unit of CPC North America PO Box 7558, 1001 Bedford Avenue. North Kansas City, Mo 64116 (816) 471-8000



Oct. 12, 1982

Nuclear Regulatory Commission License Management Branch Division of Fuel Cycle and Material Safety Washington, D. C. 20555

Subject: Proposed Ammendment to License

Number 24-12734-02

Sir:

Attached are various forms and certificates indicating the safe removal of six nuclear sources from our plant. These were returned to Nuclear Research Corp. for disposal.

A copy of our specific license with proposed changes is enclosed. These changes are:

- (1) Removal of six sources
- (2) Addition of one source
- (3) A request for permission for "in house" movement of our source holders.

Factory formal classroom training was completed by both Lew Harper and Floyd Dever. A copy of the training certificate is enclosed.

Thank you,

8610060248 860807 REG3 LIC30 24-12734-02 PDR Lewis & Danget Lewis E. Harper Plant Engineer

LEN:S

FORM NRC 314 (9.76)

#### U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY GAO 8-180225 (RO374) Expires 5/31/79

#### CERTIFICATE OF DISPOSITION OF MATERIALS

WII Blocks MUST BE Completed)

Will become a control of the control								
LICE	NSE	E NAME AND ADDRES				24-12734-02		
		1001 BEDFOR	ATIONAL, INC. RD AVENUE AS CITY, MISS			January 31, 1984		
The				on behalf of the license	e certify that: (Check a	nd/or complete appropriate item(s) below		
0		No materials have been						
	2. All materials procured and/or possesséd by licensee under license number shown above, have been transferred to:							
		which has NRC license						
0	3	All materials procured i	and/or possessed by hi	ensee under license nu	mber shown above have	been transferred to		
		which has license numb	er		eued by			
	an Agreement State pursuant to Section 274 of the Atomic Energy Act of 1954, as amended, and the energy Reorganization							
		1974.						
XX	4					dures – if additional space is needed,		
The following six Industrial Nucleonics nuclear sources were remarked from service, packed and returned for disposal to:  Nuclear Research Corp  125 Titus Ave.  Warrungton, Pa. 18976  U.S. NRC License NO's 37-02401-01/37-02401-04G  This procedure was supervised by Mr. S. E. Brandenburg, An Ohmar field service engineer.								
		SOURCE S/N	MODEL	ISOTOPE	ACTIVITY	DATE RECEIVED		
		CS9078 CS9079 CS9080 CS9084 CS9085 CS11025	SH301 S6 SH301 S6 SH301 S6 SH301 S6 SH301 S6 SH302 S6	Cs-137 Cs-137 Cs-137 Cs-137 Cs-137 Cs-137	50 mCi 50 mCi 50 mCi 50 mCi 50 mCi 200 mCi	8/12/82 8/12/82 8/12/82 8/12/82 8/12/82 8/12/82		

	CERTIFYING OFFICIAL		
PLEASE RETURN TO	SIGNATURE		
U.S. Nuclear Regulatory Commission Office of Nuclear Material Sefety and Sefequords Washington, D.C. 20555	DATE		

### U. S. NUCLEAR REGULATORY COMMISSION MATERIALS LICENSE

Page 1 of \_\_\_3 Page Amendment No. 02

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 92) Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1964 (Public Law 92) 381, and Title 10. Code of Federal Regulations, Chapter 1, Parts 30, 31, 32, 33, 34, 35, 36, 40 and 70, and in reliance of tatements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee t tatements and representations heretolore 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 sucmaterial for the purposets) and at the placels) designated below: to deliver or transfer such material to persons authorize to receive it in accordance with the regulations of the applicable Partis); and to import such hyproduct and source to receive it in accordance with the regulations of the applicable Partish and to import such hyproduct and source material. This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 195. material. This ilcense shall be deemed to contain the conditions specified in Section 105 of the Atomic Energy Sec. of 195 as amended, and is subject to all applicable rules, regulations and orders of the Nuclear Regulatory Commission now of

ial. This license shall be deemed to contain. This license shall be deemed to contain applicable needed, and is subject to all applicable fiter in effect and to any conditions specifier in effect and to any conditions specifier in effect and to any conditions.		In accordance	with application dated
CPC International Inc.		3. License number its entirety	24-12734-02 is amended in to read as follows:
1001 Bedford Avenue Mansas City, Missouri	64116	4. Expiration date  Docket or  Reference No.	8. Maximum amount that licens
Byproduct, source, and/or special nuclear material	form	and/or physical	8. Maximum amount the may possess at any one time under this license under this license to be because the exceed 50 millious:
* A. Cesium 137	<del>(1</del>	eled sources naustrial Nucleonia del 6 0) caled source	* Der Fource, not to
* B. Cesium 137	#	ealed source  codel 5 67  ealed source  Ormart A2102)	exceed 300 million
" A"	* 3. (	ealed source Ohmart A2102)	* B Exceed 500 Million
# B. Cesium 137	<del>zia Ne</del> la	enios Serios 31300 c	source holders as part of source holders as part of
* - 10 to took referen	trice weels	onice Series SHAPE measure density of source holders for	evel measurements.
* A. Contained in Onmark  * B. Contained in Onmark	Model SRI. bes. (Ohman	-A source holder to rt SO #20300-6088 S	3/N 73141)

ORM NHC 374A

## U. S. NUCLEAR REGULATORY COMMISSION

#### MATERIALS LICENSE

Supplementary Sheet

CONDITIONS

Page 2 of 3 Pa

License Number 24-12734-0

Docket of Reference No.

Amendment No. 02

- 10. Licensed material shall be used only at the licensee's address stated in Item 2
- 11. The licensee shall comply with the provisions of Title 10, Chapter 1, Code of Federal Regulations, Part 19, "Notices, Instructions and Reports to Workers; Inspections" and Part 20, "Standards for Protection Against Radiation."
- 12. Licensed material shall be used by, or under the supervision of, E. Howey\*, L. Harper or F. Dever.
- Each sealed source possessed under this license shall be tested for leakage and/or contamination at intervals not to exceed three years. In the absence of a certificate from a transferor indicating that a 13. A. (1) test has been made within six months prior to the transfer, a sealed source received from another person shall not be put into use until
  - (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.
  - The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. The test sample shall be taken from the sealed source or from the surfaces of the device in which the sealed source is permanently mounted or stored on which one might expect contamination to accumulate. Records of leak test results shall be kept in units of microcuries and maintained for inspection by the Commission.
  - If the test reveals the presence of 0.005 microcurie or more of removable contamination, the licensee shall immediately withdraw the sealed source from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with Commission regulations. A report shall be filed within 5 days of the test with the U. S. Nuclear Regulatory Commission Region III, Office of Inspection and Enforcement, 799 Roosevelt Road, Glen Ellym, Illinois 60137, describing the equipment involved, the test result: and the corrective action taken.
    - Tests for leakage and/or contamination shall be performed by the licensee or by other persons specifically authorized by the Commission or an Agreem D. State to perform such services.
  - 14. Sealed sources containing licensed material shall not be opened or removed from their respective source holders by the licensee.

HM NIC 2744

#### U. S. NUCLEAR RELATIONS COMMENION MATERIALS LICENSE

Supplementary Sheet

CONDITIONS

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License Number 24-12734-02

Docket of Reference No. Amendment No. 02

(continued)

- 15. Installation, initial radiation survey of devices, relocation, maintenance, repair, and removal from service of the devices containing licensed material and installation, replacement, and disposal of sealed sources containing licensed material used in the devices shall be performed only by the manufacturer of the device or by other persons specifically authorized by the Commission or an Agreement State to perform such services.
- 16. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in application dated July 13, 1978 and letter dated December 13, 1978.
- \* 17. Licensee will be specifically authorized to relocate source holders to new locations within the Plant complex to improve or modify process measurements.
  - \* Proposed Changes

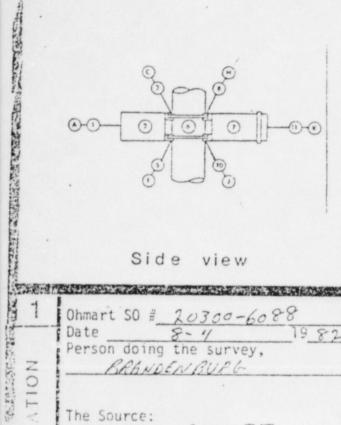
For the U. S. Nuclear Regulatory Commission ray M. Tentum of Micense Management Branch

Division of Fuel Cycle and Material Safety Washington, D.C. 20555



ENERAL

SERIES DENSITY GAGES



SAFETY		DENSITY GAGES	3000
Side view		Top view	MODEL 3400 SNE_73141
The Survey Instrument:  Manufacturer	SOURCE SHUTTER Open	COLUMN:  Recding at the surface  15 16 16 17 16 17 16 17 16 17 17 16 17 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	Distance to a reading of SmR/hr WHEN SURFACE READING EXCEEDS SMR/hr
11 reactings are in efficient genute (erube).  (8) or the crawing, indicates where the order should be placed at the gray surface to take that reading.  If (6) excess 3 en/er then cover lock until the reaction drops to 5 order them record the distance as (7).  A reacting to Column 1 more than 100 neither requires a NOLIATION AND Sites.	Slosed S		© — — — — — — — — — — — — — — — — — — —

SDFD 7979

C P C	User (if different from Purchaser)	LANCE SERVICE
N Kansas aty Mo.	vide to the second	Field Service Report No.
Radiation Safety Instrument Rep.	Visit Purpose Service P.O. 84837	Shop Order No.
Rodiation Survey  Yes No Declined  Service Summary	Rediation Sefety Instruction Customer Ini	Wipe Test Customer Initial  Yes No Declined
1 13 400 Density		Suppression   Cellb.   Speed   Range/Span 53.50.500/
3 Comments Startus and	See reveneed with the position of the numbers "Siglus A-co	mplete. 8 = moorpagete. C = Follow up required.
setup 2-20 MA accuray source	and lin. BD. Pres	To Nuclear
Date From/To Start Stop Start Stop	Part No. Ory.	Material Description
7-2 0800/60	1111111111111	
2-3 0730 0880 0800 163	80 1111111111111	
8-3 430 100	111111111111	
8-4 0700 0730 0750 163		
Travel   OVT   Service   OVT   OVT		
HEISTER FILE STATE OF THE STATE	CHNICAL TRAINING SCHOOLS — CLUDING RADIATION SAFETY	

Ohmart offers a full range of Technical Training Schools. Attendees are given comprehensive, detailed "hands-on" training on all the company's product lines as well as on specialized subjects such as Radiation Safety. Schools are conducted monthly at the Ohmart Cincinnati plant.

However, Customer Technical Training Schools covering maintenance, trouble-shooting, Radiation Safety, etc., may be conducted in the field. For detailed information, call or write our Training Director.





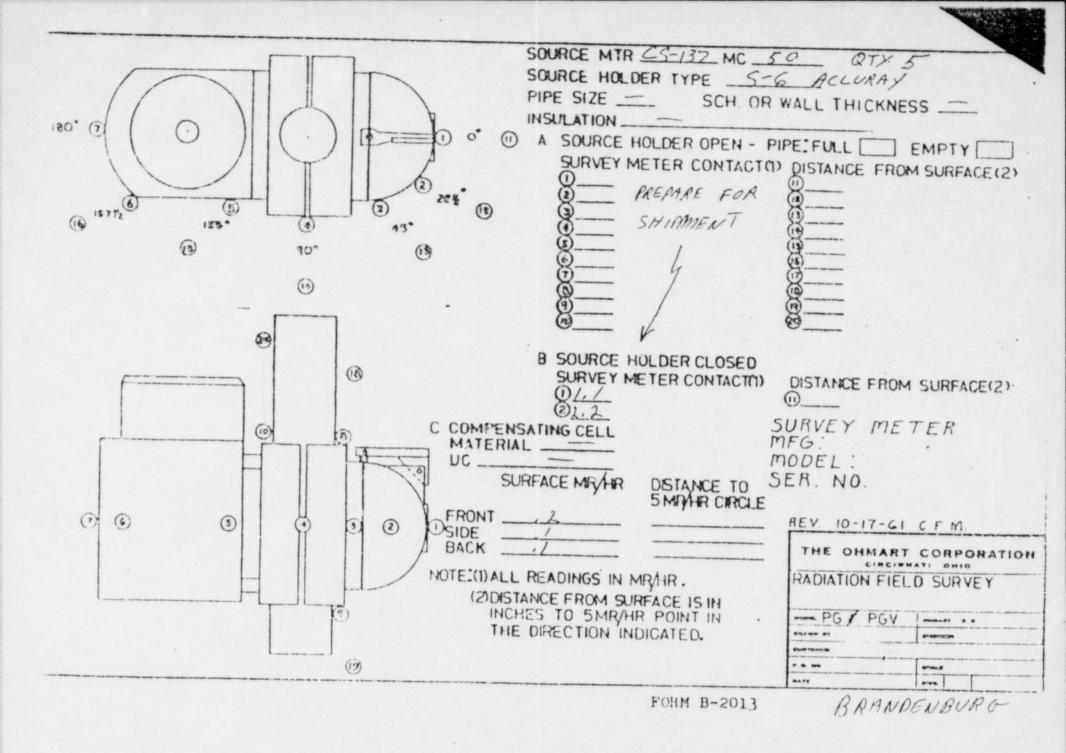
Worldwide Sales and Service

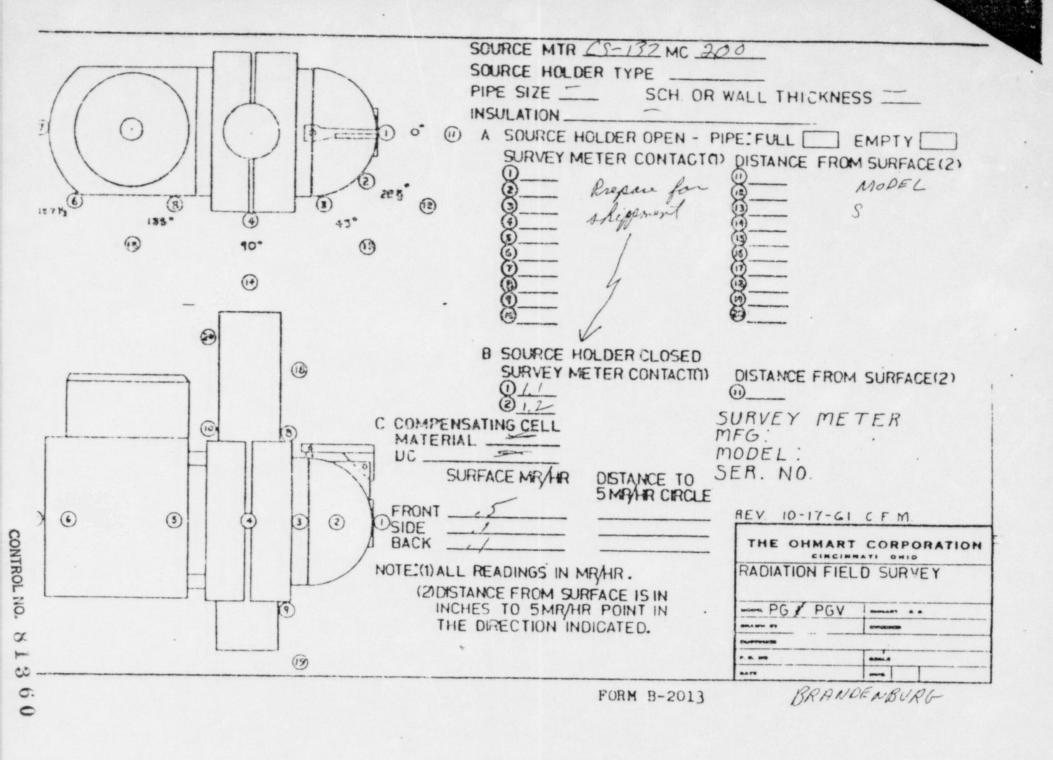
4241 Aliendorf Dr., Cincinnati, Ohio 45209 U.S.A. Telephone: (513) 272-0131 TWX: 810-461-2255

Struce Hours Material and F.S. Survey Card

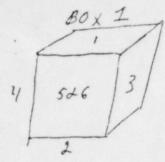
Chimar Price Engineer.

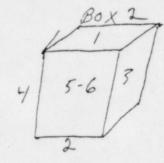
SOFF-25A

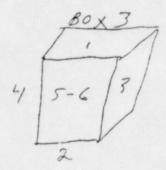


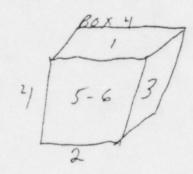


### RADIATION SURVEY OF SHIPPING CREATES









# Readings in MR/HR at 3'

BOXI	BOX2	BOX 3	BO X 4
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2,/	2./	2.1	2,/
3 ,/	3 . 1	3,/	3.1
4,1	4 (	4.1	4 ./
5.1	5.1	5.1	5.1
6 ./	6./	6./	6./

OHMART CORP S. BRANDENBURG



125 Titus Avenue Warrington, Pa. 18976 Phone: 215-343-5900 August 18, 1982

Corn Products A Unit of CPC North America 1001 Bedford Avenue North Kansas City, MO 64116

Attention: Elsie Iden, Buyer

SUBJECT:

RECEIPT OF RADIATION SOURCES

CPC P.O. KC-85166 NRC JOB NO. 60321

Dear Ms. Iden:

This is to acknowledge that Nuclear Research Corporation has received the following sources from CPC, Inc., North Kansas City, Missouri, under U.S. NRC License Nos. 37-02401-01/37-02401-04G.

SOURCE S/N	MODEL	ISOTOPE	ACTIVITY	DATE RECEIVED
CS 9078 CS 9079 CS 9080 CS 9084 CS 9085 CS 11025	SH301 S6 SH301 S6 SH301 S6 SH301 S6 SH301 S6 SH302 S6	Cs-137 Cs-137 Cs-137 Cs-137 Cs-137	50 mCi 50 mCi 50 mCi 50 mCi 50 mCi 200 mCi	8/12/82 8/12/82 8/12/82 8/12/82 8/12/82 8/12/82

Should you 'ed any further information, please do not hesitate to get in touch with us.

Sincerely,

NUCLEAR RESEARCH CORPORATION

T. W. Schwager V

Ass't. Radiation Safety Officer

mg

# Certificate of Proficiency

CINCINNATI, OHIO 45209

Date\_ 5/16/75

THE OHMART CORP.

# Certificate of Proficiency

Date \_\_ 5/16/75 \_\_

TRAINING DIRECTOR G. A. Ke

THE OHMART CORP.