

December 29, 1992

Mr. David Collins  
Health Physicist  
United States Nuclear Regulatory Commission  
Region II  
101 Marietta Street, NW  
Atlanta, GA 30323

Dear Mr. Collins:

This letter will confirm my phone conversation made today, December 29, 1992. During this call, I discussed the necessary procedures and clearances required for Mr. Phil Anglin to conduct drainage testing with the NDC 104P gamma gauge.

We have been requested to conduct testing with the NDC 104P Drainage Profiler <sup>3</sup> Gauge on paper machine(s) at Mead Paper, Chillicothe, OH on January 5 & 6, 1992. The mill contact person and phone number is Mr. Ed Flaherty (614) 772-3111.

Mr. Phil Anglin, who will conduct the testing with the gauge, will begin testing at approximately 9:00 a.m. and will be done at approximately 5:00 p.m., barring unforeseen difficulties. The test instrument utilizes an 80 mCi Am. 241 sealed source manufactured by Amersham Model AMCP1. This confirms to the conditions and limitations specified in 49 CFR 173.4 for radioactive material instruments and articles UN 2911.

Person/s to contact in case of an emergency at Wangner Systems:

Chien Hsu	Radiation Safety Officer	Office: (803) 295-3000 ext. 261 Home: (803) 268-8957
Pete Forbes	Technical Service Manager	Office: (803) 295-3000 ext. 251 Home: (803) 297-1236
June Bryson	Company RN	Office: (803) 295-3000 ext. 257 Home: (803) 246-3883

9302120142 930119  
PDR STPRG ESGSC  
PDR

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Your assistance in this matter is most appreciated. If additional information is required, please contact me direct at (803) 295-3000 ext. 210.

Sincerely,

**WANGNER SYSTEMS CORPORATION**

A handwritten signature in cursive script, appearing to read "Devra L. Folwell".

Devra L. Folwell  
Technical Service Coordinator

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL  
Radioactive Material License  
Supplementary Sheet

License No. 323  
Amendment No. 11

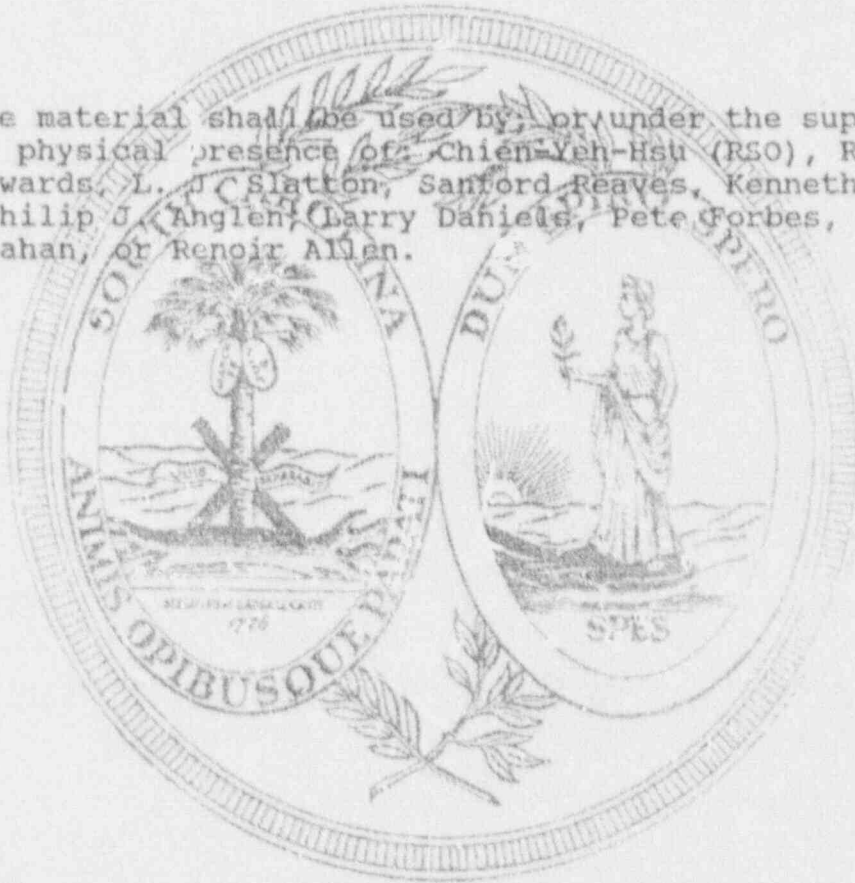
Wangner Systems Corporation  
525 Piedmont Highway  
Greenville, SC 29605-4691

In accordance with letter dated October 13, 1992, signed by Chien-Yeh-Hsu, S.C. Radioactive Material License No. 323 is hereby AMENDED:

TO CHANGE:

Condition 11.

11. Radioactive material shall be used by, or under the supervision of, and in the physical presence of: Chien-Yeh-Hsu (RSO), Randy [redacted], Robert Nedwards, L. J. Slatton, Sanford Reaves, Kenneth Waller, Jake Alvarez, Philip J. Anglen, Larry Daniels, Pete Forbes, Bob Fugate, Rodney Monahan, or Renoir Allen.



For the South Carolina Department  
of Health and Environmental Control

BY:

*Heyward G. Shealy (M)*  
Heyward G. Shealy, Chief  
Bureau of Radiological Health

DHEC 812 (11/81)

DHEC/BRH/11/292

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL  
RADIOACTIVE MATERIAL LICENSE

Pursuant to the Atomic Energy and Radiation Control Act, Section 13-7-40 et. seq. of S.C. Code of Laws of 1976, as amended, and Supplements thereto, and the South Carolina Department of Health and Environmental Control Regulation 61-63, Radioactive Material (Title A), and in reliance on statements and representations heretofore made by the applicant, a license is hereby issued authorizing the licensee to receive, acquire, possess and transfer radioactive material listed below; and to use such radioactive material for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules and regulations of the South Carolina Department of Health and Environmental Control now or hereafter in effect and to any conditions specified below.

Amendment No. 10 Renewal

LICENSEE

<p>1. Name      Wangner Systems Corporation</p>  <p>2. Address      525 Piedmont Highway Greenville, SC 29605-4691</p>	<p>3. License Number  323</p> <hr/> <p>4. Expiration Date  March 31, 1997</p>
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5. Radioactive Material (Element and Mass Number)	6. Chemical and/or Physical Form	7. Maximum Radioactivity and/or quantity of ma- terial which licensee may possess at any one time.
A. Krypton 85	A. Sealed Source (FAG Kugelfischer Georg Shaffer & Co., Zelchg. No. 49930/0003-20)	A. No single source to exceed 50 millicuries.
B. Strontium 90	B. Sealed Source (Buchler & Co. Model 49930-006-23)	B. No single source to exceed 5 millicuries.
C. Strontium 90	C. Sealed Source (Amersham Corp. Model SIC.L5)	C. No single source to exceed 5 millicuries.
D. Americium 241	D. Sealed Source (Amersham Corp. Model AMCP1)	D. No single source to exceed 100 millicuries.
E. Krypton 85	E. Sealed Source (NEN Model NER-8170)	E. No single source to exceed 150 millicuries.



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Radioactive Material License  
Supplementary Sheet

License No. 323  
Amendment No. 10

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8. Authorized Use:

- A. To be used in FAG Kugelfischer Georg Schaffer & Co. model FH-46K stationary gauge for the measurement of thickness and mass.
- B. To be used in Frieeseke and Hoepfner FH-46 stationary gauge model: 41464/Z1/SKI-871, for the measurement of thickness and mass.
- C. To be used in FAG Bearing Corporation model: 41574/9820 backscatter gauge, for the measurement of thickness and mass.
- D. To be used in NDC portable gamma gauge model: 104P, for the measurement of thickness and mass.
- E. To be used in FAG Bearing Corporation FH-46 beta gauge, for the measurement of thickness and mass.

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Conditions

- 9. Radioactive material may only be used at the licensee's address stated in Item 2 above and temporary jobsites of the licensee anywhere in South Carolina, subject to the jurisdiction of the S.C. Department of Health and Environmental Control. This condition does not prohibit use in Agreement States or in U.S. Nuclear Regulatory Commission jurisdiction states under reciprocity procedures which may be established by those states or the U.S. Nuclear Regulatory Commission.
- 10. The licensee shall comply with the provisions of Title A, State of South Carolina Rules and Regulations for Radiation Control; Part I - General Provisions; Part III - Standards for Protection Against Radiation; and Part VI - Notices, Instructions, and Reports to Workers; Inspections.
- 11. Radioactive material shall be used by, or under the supervision of, and in the physical presence of: Dan Patten (RSO), Randy Joyner, Robert Nedwards, L. J. Slatton, Sanford Reaves, Kenneth Walker, Jake Alvarez, Philip J. Anglen, Larry Daniels, Pete Forbes, Bob Fugate, Rodney Monahan or Renoir Allen.
- 12. Sealed sources containing radioactive material shall not be opened or removed from their respective source holders by the licensee.

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL  
Radioactive Material License  
Supplementary Sheet

License No. 323  
Amendment No. 10

13. A. Each sealed source containing radioactive material, other than Hydrogen-3, with a half-life greater than thirty (30) days and in any form other than gas shall be tested for leakage and/or contamination at intervals not to exceed six (6) months. In the absence of a certificate from a transferor indicating that a test has been made within six (6) months prior to the transfer, the sealed source shall not be put into use until tested.
- B. The test shall be capable of detecting the presence of 0.005 microcuries 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 Department.
- C. If the test reveals the presence of 0.005 microcuries 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 Department regulations. A report shall be filed within five (5) days of the test with the Chief, Bureau of Radiological Health, South Carolina Department of Health & Environmental Control, 2600 Bull Street, Columbia, South Carolina 29201, describing the equipment involved, the test results, and the corrective action taken.
14. Tests for leakage and/or contamination shall be performed by Azimuth Technologies or by other persons specifically authorized by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such service. Azimuth Technologies will also do all servicing and repairing of the gauges.
15. The licensee shall conduct a physical inventory every six (6) months to account for all sealed sources received and possessed under the license. The records of the inventories shall be maintained for inspection by the Department and shall include the quantities and kinds of licensed material, location of sealed sources, and the date of the inventory.
16. The licensee shall maintain a utilization log indicating the date, name of person, and place where licensed radioactive material is used.

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Supplementary Sheet

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15. Except as specifically provided otherwise, the licensee shall possess and use radioactive material described in Items 5, 6, and 7 of this license in accordance with statements, representations, and procedures contained in application dated January 24, 1992, signed by Dan Patten and letter dated March 17, 1992, signed by Kenneth A. Walker.

Date of Issuance March 25, 1992

DHEC 812 (11/81)

DHEC/BRH/032592

For the South Carolina Department  
of Health and Environmental Control

By: Heyward G. Shealy  
Heyward G. Shealy, Chief  
Bureau of Radiological Health



625 PIEDMONT HIGHWAY  
GREENVILLE SC 29605

1500 10.75

098432

INVOICE NUMBER	INVOICE DATE	DESCRIPTION	GROSS	DISCOUNT	NET AMOUNT
1773	01/04/93	RECIPIENT	640.00		640.00
		TOTAL			640.00





525 PIEDMONT HIGHWAY, GREENVILLE, SC 29605

SOUTH CAROLINA NATIONAL BANK  
GREENVILLE, SC

SIX HUNDRED FORTY DOLLARS & 00 CENTS

PAY TO THE ORDER OF

NUCLEAR REGULATORY COMMISSION  
REGION II  
101 MARITIME ST., N.W.  
ATLANTA, GA 30323

CHECK AMOUNT: US \$

\*\*\*\*\*40.00

CHECK DATE NUMB

1/05/93 58432

671  
502

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06636 Shirley M. Collins