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I, THE UNDERSIGNED, HER	EBY CERTIFY THAT:	•			
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#### RADIOACTIVE MATERIAL LICENSE

AMENDMENT NUMBER 9

Pursuant to the Alabama Department of Public Health Rules, 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 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 of the Alabama Department of Public Health now or hereafter in effect and to any conditions specified below.

	LICE	NSEE	3. License Number	991 is amended its entirety to read:
<ol> <li>Name</li> <li>Address</li> </ol>	320 Beacon Parkway West		4. Expiration Date  5. File No.	June 30, 2004
6. Radioacti (Element	ve Material and Mass Number)	7. Type of Radioactive Material License	8. Chemical and/or Physical Form	9. Maximum Radioactivity and/or quantity of material which licensee may possess at any one time.
SEE PAG	E TWO	3.P.	SEE PAGE TWO	SEE PAGE TWO

10. Authorized Use

#### SEE PAGE TWO

- 11. Unless otherwise specified, the authorized place of use is the licensee's address stated in item 2 above.
- Radioactive material may be used only at temporary job sites of the licensee anywhere in Alabama that the Agency has jurisdiction. This condition does not prohibit use in Agreement States or in U.S. Nuclear Regulatory Commission jurisdiction areas under reciprocity procedures which may be established by those States or the U.S. Nuclear Regulatory Commission.
- The licensee may also store radioactive material authorized by this license at the licensee's facility located at 2241 Highway 78 West, Oxford, Alabama 36203.
- The licensee shall comply with the provision of Rule 420-3-26-01, General Provisions, Rule 420-3-26-02, Licensing, Rule 420-3-26-03, Standards for Protection Against Radiation, and Rule 420-3-26-10, Notices, Instructions, and Reports to Workers; Inspections, of Chapter 420-3-26, Radiation Control, Alabama Administrative Code.

1 991 Continued From Page, License Number Amendment No. 8. Chemical and/or Physical Form 6. Radioactive Material 9. Maximum Radioactivity and/or (Element and mass number) quantity of material which license may possess at any bne time A Cesium 137 A. Sealed Sources A. No single source to Americium 241/ exceed 11 millicuries (HSI Dwg. Nos. of Cesium 137 and 44 Beryllium 2200064 and 2200067) millicuries of Americium. 241/Beryllium. B. Cesium 137: B. Sealed Sources B. No single source to Americium 241/ exceed 10 millicuries (Campbell Pacific Nuclear Beryllium Model CPN-131) of Cesium 137 and 50 millicuries of Americium 241/Beryllium. C. Cesium 137: C. Sealed Sources C. No single source to exceed 9 millicuries of Americium 241/ (Troxler Dwg. Nos. A-102112 Cesium 137 and 44 Beryllium and A-102451) millicuries of Americium 241/Beryllium.

#### 10. Authorized Uses

- A. For use in Humboldt Scientific, Inc. Model 5001 devices to measure moisture content and density of construction materials.
- B. For use in Campbell Pacific Nuclear Model MC Series devices to measure moisture content and density of construction materials.
- C. For use in Troxler Electronic Laboratories Model 3400 Series devices to measure moisture content and density of construction materials.

Form SS

# ALABAMA DEPARTMENT OF PUBLIC HEALTH RADIOACTIVE MATERIAL LICENSE

Continued	Supplementary Sheet	License Number 991	
-		Amendment No.	9

- 15. Radioactive material shall only be used by individuals having successfully completed an approved training course for moisture/density gauge users, and who have been approved by Eddie Walker, Radiation Safety Officer. Records of training shall be maintained for review by the Agency.
- 16. Sealed sources containing radioactive material shall not be opened or removed from their respective source holders by the licensee.
- 17. 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 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 Agency.
  - C. 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 Agency regulations. A report shall be filed within five (5) days of the test with the Director, Office of Radiation Control, Alabama Department of Public Health, Montgomery, Alabama 36130, describing the equipment involved, the test results, and the corrective action taken.
  - D. The licensee is authorized to collect leak test samples for analysis by approved leak test kit vendors. Alternatively, tests for leakage and/or contamination may be performed by persons specifically authorized by the Agency, the U.S. Nuclear Regulatory commission or an Agreement State to perform such services.

Continued	Supplementary Sheet	License Number	991
		Amendment No.	9

#### CONDITIONS

- 18. Except as specifically provided otherwise in this license, the licensee shall conduct its radiation safety program in accordance with statements, representations, and procedures contained in the documents, including any enclosures, listed below. Alabama's Radiation Protection Rules shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the rules.
  - A. Application received June 2, 1999, signed by Eddie Walker, with attachments.

June 24, 1999

Date of Issuance.

Director

DIVISION OF RADIATION CONTROL

Donald E. Williamson, M.D.

State Health Officer

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17. LIST RADIOACTIVE MATERIA (Include description of type s	AL, WHICH WILL BE POSSESSED, USED, and quantity of radioactive material, sealed	sources, or devices to be	15 <b>0</b> C.)		
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#### RADIOACTIVE MATERIAL LICENSE

AMENDMENT NUMBER 9

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	LICE	NSEE	3. License Numbe	n its entirety to read:	
1. Name Gallet & Associates, Inc. 320 Beacon Parkway West			4. Expiration Date		
2. Address Birmingham, Alabama 35209		i N	June 30, 2004		
			5. File No.	•	
6. Radioactiv (Element	ve Material and Mass Number)	7. Type of Radioactive Material License	8. Chemical and/or Physical Form	9. Maximum Radioactivity and/or quantity of material which licensee may possess at any one time.	
SEE PAGE	E TWO	3.P.	SEE PAGE TWO	SEE PAGE TWO	

10. Authorized Use

#### SEE PAGE TWO

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1 991 Continued From Page License Number \_ Amendment No. 9. Maximum Radioactivity and/or 6. Radioactive Material 8. Chemical and/or Physical Form (Element and mass number) quantity of material which license may possess at any one time A. Cesium 137: A. Sealed Sources A. No single source to Americium 241/ (HSI Dwg. Nos. exceed 11 millicuries of Cesium 137 and 44 Beryllium 2200064 and 2200067) millicuries of Americium. 241/Beryllium. B. Cesium 137: B. Sealed Sources B. No single source to exceed 10 millicuries Americium 241/ (Campbell Pacific Nuclear of Cesium 137 and 50 Beryllium Model CPN-131) millicuries of Americium 241/Beryllium. C. Cesium 137: C. Sealed Sources C. No single source to exceed 9 millicuries of Americium 241/ (Troxler Dwg. Nos. A-102112 Cesium 137 and 44 Beryllium and A-102451) millicuries of Americium 241/Beryllium.

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Form SS

# ALABAMA DEPARTMENT OF PUBLIC HEALTH RADIOACTIVE MATERIAL LICENSE

Continued	Supplementary Sheet	License Number 991	<del></del>
	·	Amendment No. 9	

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June 24, 1999

Date of Issuance .

4

Director
DIVISION OF RADIATION CONTROL

Donald E. Williamson, M.D. State Health Officer

ALABAMA DEPARTMENT OF PUBLIC HEALTH

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i understand that activities, including storage, conducted in non-Agreement States under ger in calendar year. With the exception of work conducted in off-shore waters, which is authorized.  I understand that I may be inspected by NRC at the above listed work site locations and at the non-Agreement States or offshore waters.	e Licensee home office address for activities performed in
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SEE PAG	E TWO	3.P.	SEE PAGE TWO	SEE PAGE TWO

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991

Continued From Page	-	License Number
	Ar	mendment No. 9
6. Radioactive Material (Element and mass number)	8. Chemical and/or Physical Form	9. Maximum Radioactivity and/or quantity of material which license may possess at any one time
A. Cesium 137: Americium 241/ Beryllium	A. Sealed Sources (HSI Dwg. Nos. 2200064 and 2200067)	A. No single source to exceed 11 millicuries of Cesium 137 and 44 millicuries of Americium. 241/Beryllium.
B. Cesium 137: Americium 241/ Beryllium	B. Sealed Sources (Campbell Pacific Nuclear Model CPN-131)	B. No single source to exceed 10 millicuries of Cesium 137 and 50 millicuries of Americium 241/Beryllium.
C. Cesium 137: Americium 241/ Beryllium	C. Sealed Sources (Troxler Dwg. Nos. A-102112 and A-102451)	C. No single source to exceed 9 millicuries of Cesium 137 and 44 millicuries of Americium 241/Beryllium.

### 10. Authorized Uses

1

- A. For use in Humboldt Scientific, Inc. Model 5001 devices to measure moisture content and density of construction materials.
- B. For use in Campbell Pacific Nuclear Model MC Series devices to measure moisture content and density of construction materials.
- C. For use in Troxler Electronic Laboratories Model 3400 Series devices to measure moisture content and density of construction materials.

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## ALABAMA DEPARTMENT OF PUBLIC HEALTH

#### RADIOACTIVE MATERIAL LICENSE

Continued	Supplementary Sheet	License Number 991	
		Amendment No.	9

- 15. Radioactive material shall only be used by individuals having successfully completed an approved training course for moisture/density gauge users, and who have been approved by Eddie Walker, Radiation Safety Officer. Records of training shall be maintained for review by the Agency.
- 16. Sealed sources containing radioactive material shall not be opened or removed from their respective source holders by the licensee.
- 17. 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 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 Agency.
  - 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 Agency regulations. A report shall be filed within five (5) days of the test with the Director, Office of Radiation Control, Alabama Department of Public Health, Montgomery, Alabama 36130, describing the equipment involved, the test results, and the corrective action taken.
  - D. The licensee is authorized to collect leak test samples for analysis by approved leak test kit vendors. Alternatively, tests for leakage and/or contamination may be performed by persons specifically authorized by the Agency, the U.S. Nuclear Regulatory commission or an Agreement State to perform such services.

Continued	Supplementary Sheet	License Number	License Number 991	
		Amendment No.	99	

#### CONDITIONS

- 18. Except as specifically provided otherwise in this license, the licensee shall conduct its radiation safety program in accordance with statements, representations, and procedures contained in the documents, including any enclosures, listed below. Alabama's Radiation Protection Rules shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the rules.
  - Application received June 2, 1999, signed by Eddie Walker, with attachments. A.

June 24, 1999

Date of Issuance

DIVISION OF RADIATION CONTROL

Donald E. Williamson, M.D.

State Health Officer
ALABAMA DEPARTMENT OF PUBLIC HEALTH

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#### RADIOACTIVE MATERIAL LICENSE

AMENDMENT NUMBER 9

Pursuant to the Alabama Department of Public Health Rules, 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 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 of the Alabama Department of Public Health now or hereafter in effect and to any conditions specified below.

LICENSEE			3. License Numbe	3. License Number 991 is amended in its entirety to read:		
1. Name	320 Beacon Parkway West		4. Expiration Date	•		
2. Address	Birmingham, Ala	bama 35209	5. File No.	June 30, 2004		
6. Radioacti (Element	ve Material and Mass Number)	7. Type of Radioactive Material License	8. Chemical and/or Physical Form	9. Maximum Radioactivity and/or quantity of material which licensee may possess at any one time.		
SEE PAG	E TWO	3.P.	SEE PAGE TWO	SEE PAGE TWO		

10. Authorized Use

#### SEE PAGE TWO

- 11. Unless otherwise specified, the authorized place of use is the licensee's address stated in item 2 above.
- Radioactive material may be used only at temporary job sites of the licensee anywhere in Alabama that the Agency has jurisdiction. This condition does not prohibit use in Agreement States or in U.S. Nuclear Regulatory Commission jurisdiction areas under reciprocity procedures which may be established by those States or the U.S. Nuclear Regulatory Commission.
- 13. The licensee may also store radioactive material authorized by this license at the licensee's facility located at 2241 Highway 78 West, Oxford, Alabama 36203.
- The licensee shall comply with the provision of Rule 420-3-26-.01, General Provisions, Rule 420-3-26-.02, Licensing, Rule 420-3-26-.03, Standards for Protection Against Radiation, and Rule 420-3-26-.10, Notices, Instructions, and Reports to Workers; Inspections, of Chapter 420-3-26, Radiation Control, Alabama Administrative Code.

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Continued From Page	A	mendment No. 9		
6. Radioactive Material (Element and mass number)	8. Chemical and/or Physical Form	<ol> <li>Maximum Radioactivity and/or quantity of material which license may possess at any one time</li> </ol>		
A. Cesium 137: Americium 241/ Beryllium	A. Sealed Sources (HSI Dwg. Nos. 2200064 and 2200067)	A. No single source to exceed 11 millicuries of Cesium 137 and 44 millicuries of Americium 241/Beryllium.		
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#### RADIOACTIVE MATERIAL LICENSE

Continued	Supplementary Sheet	License Number 991	
		Amendment No. 9	

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Continued	Supplementary Sheet	License Number	991
		Amendment No.	9

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  - A. Application received June 2, 1999, signed by Eddie Walker, with attachments.

June 24, 1999

Date of Issuance

Director
DIVISION OF RADIATION CONTROL

Donald E. Williamson, M.D. State Health Officer

ALABAMA DEPARTMENT OF PUBLIC HEALTH