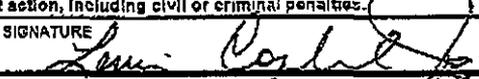
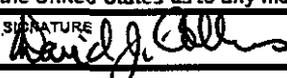


NRC FORM 241 (8-2002)		U.S. NUCLEAR REGULATORY COMMISSION		APPROVED BY OMB: NO. 3150-0013 Estimated burden per response to comply with this mandatory collection request: 15 minutes. This notification is required so that NRC may schedule inspection of the activities to ensure that they are conducted in accordance with requirements for protection of the public health and safety. Send comments regarding burden estimate to the Records Management Branch (T-6 ES), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollata@nrc.gov , and to the Desk Officer, Office of Information and Regulatory Affairs, NE08-10202, (3150-0013), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.		EXPIRES: 08/31/2005	
REPORT OF PROPOSED ACTIVITIES IN NON-AGREEMENT STATES, AREAS OF EXCLUSIVE FEDERAL JURISDICTION, OR OFFSHORE WATERS <i>(Please read the instructions before completing this form)</i>							
1. NAME OF LICENSEE (Person or firm proposing to conduct the activities described below) Southern EARTH SCIENCES, INC.			<input checked="" type="checkbox"/> INITIAL <input type="checkbox"/> REVISION <input type="checkbox"/> CLARIFICATION				
3. ADDRESS OF LICENSEE (Mailing address or other location where licensee may be located) P.O. BOX 160745 MOBILE AL 36616			4. LICENSEE CONTACT AND TITLE Lewis Copeland, Jr., mgr.				
			5. TELEPHONE NUMBER (include Area Code) 251 344 7711		6. FACSIMILE NUMBER (include Area Code) 251 341 9491		
7. ACTIVITIES TO BE CONDUCTED UNDER THE GENERAL LICENSE GIVEN IN 10 CFR 150.20							
<input type="checkbox"/> WELL LOGGING		<input type="checkbox"/> LEAK TESTING AND/OR CALIBRATIONS		<input type="checkbox"/> TELETHERAPY/IRRADIATOR SERVICE			
<input checked="" type="checkbox"/> PORTABLE GAUGES		<input type="checkbox"/> OTHER (Specify) <input type="checkbox"/>		<i>all Keesler job sites</i>			
<input type="checkbox"/> RADIOGRAPHY		<input type="checkbox"/> REGISTERED AS USER OF PACKAGING (CERTIFICATES OF COMPLIANCE NUMBERS)					
8. CLIENT NAME, ADDRESS, CITY/COUNTY, STATE, ZIP CODE Whitsell YATES Contractor @ KEESLER Air Force Base Biloxi, Mississippi (P.O. Box 5279)			9. ACTUAL PHYSICAL ADDRESS OF WORK LOCATION (Street and Number or other location. Give as complete an address or directions as possible) Mini BX JOBSITE @ KEESLER AFB in Biloxi ms.				
			10. CLIENT TELEPHONE NUMBER (include Area Code) (228) 436 0805		11. WORK LOCATION TELEPHONE NUMBER (include Area Code) (228) 436 0805		
12. DATES SCHEDULED		13. NUMBER OF WORK DAYS	14. ADD	15. DELETE	16. LOCATION REFERENCE NUMBER		
FROM 9/3/03 TO 12/31/2003					000 980		
LIST ADDITIONAL WORK SITES ON SEPARATE SHEET(S) TO INCLUDE ALL INFORMATION CONTAINED IN ITEMS 9-16 ABOVE.							
17. LIST RADIOACTIVE MATERIAL, WHICH WILL BE POSSESSED, USED, INSTALLED, SERVICED, OR TESTED (Include description of type and quantity of radioactive material, sealed sources, or devices to be used.) [Moisture Density Gauges] Cesium -137 Americium -241 BERYLLIUM							
18. AGREEMENT STATE SPECIFIC LICENSE WHICH AUTHORIZES THE UNDERSIGNED TO CONDUCT ACTIVITIES WHICH ARE THE SAME, EXCEPT FOR LOCATION OF USE, AS SPECIFIED IN ITEM 9 ABOVE. (Four copies of the specific license must accompany the Initial NRC Form 241.)			LICENSE NUMBER MS-436-01	STATE MS	EXPIRATION DATE 4-1-05		
19. CERTIFICATION (MUST BE COMPLETED BY APPLICANT)							
I, THE UNDERSIGNED, HEREBY CERTIFY THAT:							
a. All information in this report is true and complete.							
b. I have read and understand the provision of the general license 10 CFR 150.20 reprinted on the instructions of this form; and I understand that I am required to comply with these provisions as to all byproduct, source, or special nuclear material which I possess and use in non-Agreement States or offshore waters under the general license for which this report is filed with the U.S. Nuclear Regulatory Commission.							
c. I understand that activities, including storage, conducted in non-Agreement States under general license 10 CFR 150.20 are limited to a total of 180 days in calendar year. With the exception of work conducted in off-shore waters, which is authorized for an unlimited period of time in the calendar year.							
d. I understand that I may be inspected by NRC at the above listed work site locations and at the Licensee home office address for activities performed in non-Agreement States or offshore waters.							
e. I understand that conduct of any activities not described above, including conduct of activities on dates or locations different from those described above or without NRC authorization, may subject me to enforcement action, including civil or criminal penalties.							
CERTIFYING OFFICER - RSO or Management Representative (Name and Title) Lewis Copeland, Manager			SIGNATURE 		DATE 9-3-03		
WARNING: False statements in this certificate may be subject to civil and/or criminal penalties. NRC regulations require that submissions to the NRC be complete and accurate in all material respects. 18 U.S.C. Section 1001 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.							
FOR NRC USE ONLY	REVIEWING OFFICIAL (Typed/Printed Name and Title) David I. Collins, Health Physicist		SIGNATURE 		DATE 9/5/2003		
	Division of Nuclear Materials Safety USNRC Region II		TOTAL USAGE - DAYS TO DATE 119				

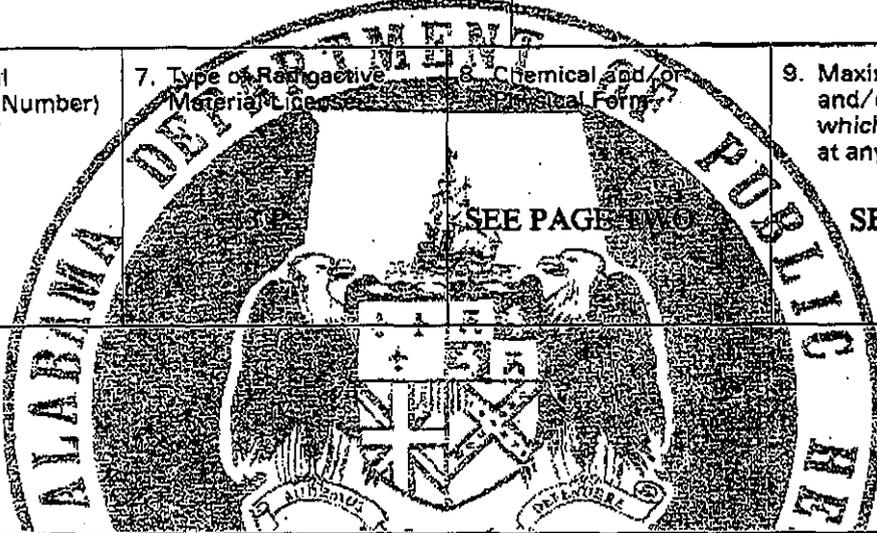
ALABAMA DEPARTMENT OF PUBLIC HEALTH

RADIOACTIVE MATERIAL LICENSE

AMENDMENT NO. 38

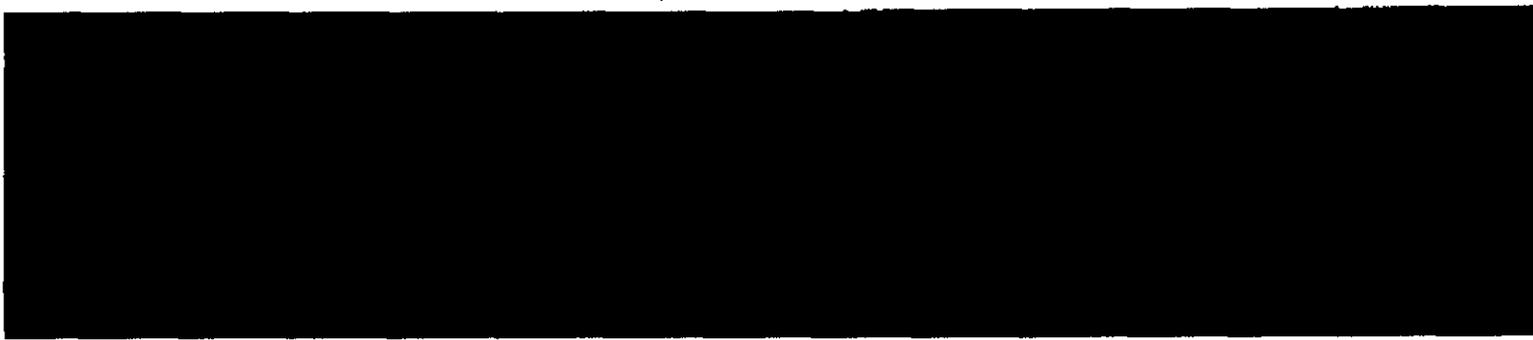
Pursuant to the Alabama Department of Public Health Rules, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess and transfer radioactive material listed below; and to use such radioactive material 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 1. Name Southern Earth Sciences, Inc. 764 Downtowner Loop, West 2. Address P.O. Box 160745 Mobile, Alabama 36616	3. License Number 647 is amended in its entirety to read:
	4. Expiration Date September 30, 2004
	5. File No.

6. Radioactive Material (Element and Mass Number) SEE PAGE TWO	7. Type of Radioactive Material License SEE PAGE TWO	8. Chemical and/or Physical Form SEE PAGE TWO	9. Maximum Radioactivity and/or quantity of material which licensee may possess at any one time. SEE PAGE TWO
			
10. Authorized Use SEE PAGE TWO			

CONDITIONS

- Unless otherwise specified, the authorized place of use is the licensee's address stated in item 2 above.
- Radioactive material may be stored at the licensee's facilities located at 764 Downtowner Loop, West, Mobile, AL and 105 North Edgewood, Summerdale, AL, and may be used 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.
- All required records shall be maintained at the licensee's facility located at 764 Downtowner Loop, West, Mobile, AL for review by the Agency.
- 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.



SUPPLEMENTARY SHEET

1

647

Continued From Page _____

License Number _____
Amendment No. 386. Radioactive Material
(Element and mass number)A. Cesium 137:
Americium 241/
BerylliumB. Americium 241/
Beryllium

8. Chemical and/or Physical Form

A. Sealed Sources
(Campbell Pacific Nuclear
Model CPN-131)B. Sealed Sources
(Campbell Pacific Nuclear
Model CPN-131)9. Maximum Radioactivity and/or
quantity of material which
license may possess at any one timeA. No single source
to exceed 10
millicuries of Cesium
137 and 50 millicuries
of Americium 241/
BerylliumB. No single source
to exceed 100 millicuries10. Authorized Uses

- A. For use in Campbell Pacific Nuclear Corporation Model MC Series devices for measuring moisture and density of construction materials.
- B. For use in Campbell Pacific Nuclear Corporation Model AC-2 and AC-2R devices to measure asphalt content in construction materials.

Form SS

Page 3 of 4 Pages**ALABAMA DEPARTMENT OF PUBLIC HEALTH
RADIOACTIVE MATERIAL LICENSE**

Continued

Supplementary Sheet

License Number 647Amendment No. 38**CONDITIONS**

15. The licensee shall comply with the provisions 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.
16. Radioactive material shall only be used by individuals that have successfully completed a radiation safety training course for moisture/density gauge users, and who have been approved by Lewis Copeland, Radiation Safety Officer. Records of training shall be maintained for review by the Agency.
17. Sealed sources containing radioactive material shall not be opened or removed from their respective source holders by the licensee.
18. 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 twelve (12) 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.

Form SS

Page 4 of 4 Pages

ALABAMA DEPARTMENT OF PUBLIC HEALTH RADIOACTIVE MATERIAL LICENSE

Continued

Supplementary Sheet

License Number 647

Amendment No. 38

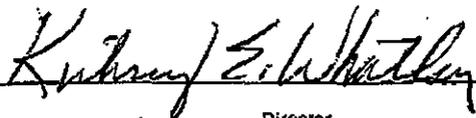
CONDITIONS

- D. The licensee is authorized to collect leak test samples for analysis by approved leak test kit providers. 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

- 19. 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 dated August 31, 1999, signed by Lewis Copeland, Jr., with attachments.
 - B. Letter dated May 3, 2000 and received May 23, 2000, signed by Lewis Copeland, Jr. with attachments.
 - C. Letter dated February 1, 2001, signed by Lewis Copeland, with attachments.
 - D. Letter dated April 24, 2001, signed by Lewis Copeland, Jr.

April 25, 2001

Date of Issuance _____



Director
DIVISION OF RADIATION CONTROL



Donald E. Williamson, M.D.
State Health Officer
ALABAMA DEPARTMENT OF PUBLIC HEALTH