

**REPORT OF PROPOSED ACTIVITIES IN
NON-AGREEMENT STATES, AREAS OF EXCLUSIVE
FEDERAL JURISDICTION, OR OFFSHORE WATERS**

(Please read the instructions before completing this form)

1. NAME OF LICENSEE (Person or firm proposing to conduct the activities described below)

BARNHILL Contracting Co.

3. ADDRESS OF LICENSEE (Mailing address or other location where licensee may be located)

2311 North Main St
P.O. Box 1529
TARBORO, N.C. 27886

2. TYPE OF REPORT

☒ INITIAL ☐ REVISION ☐ CLARIFICATION

4. LICENSEE CONTACT AND TITLE

Randy Burchette RSO

5. TELEPHONE NUMBER
(Include Area Code)

252-266-8519

6. FACSIMILE NUMBER
(Include Area Code)

910-592-1695

7. ACTIVITIES TO BE CONDUCTED UNDER THE GENERAL LICENSE GIVEN IN 10 CFR 150.20

- ☐ WELL LOGGING ☐ LEAK TESTING AND/OR CALIBRATIONS ☐ TELETHERAPY/IRRADIATOR SERVICE
- ☒ PORTABLE GAUGES ☐ OTHER (Specify) \Rightarrow _____
- ☐ RADIOGRAPHY \Rightarrow _____
- REGISTERED AS USER OF PACKAGING (CERTIFICATES OF COMPLIANCE NUMBERS) _____

8. CLIENT NAME, ADDRESS, CITY/COUNTY, STATE, ZIP CODE

See Attachments

9. ACTUAL PHYSICAL ADDRESS OF WORK LOCATION

(Street and Number or other location. Give as complete an address or directions as possible.)

See Attachment

10. CLIENT TELEPHONE NUMBER
(Include Area Code)11. WORK LOCATION TELEPHONE NUMBER
(Include Area Code)

12. DATES SCHEDULED

13. NUMBER OF
WORK DAYS14.
ADD15.
DELETE16. LOCATION
REFERENCE NUMBER

FROM

TO

180 or
LessNUMBER TO BE
ASSIGNED BY NRC

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.)Type A, 0.3 Gbg (8 mci) CS-137 used in 4640 Portable
Nuclear Gauge18. 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

033-0958-1

STATE

NC

EXPIRATION DATE

May 31, 2003

19. CERTIFICATION (MUST BE COMPLETED BY APPLICANT)

I, THE UNDERSIGNED, HEREBY CERTIFY THAT:

- All information in this report is true and complete.
- 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.
- 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.
- 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.
- 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)

Randy Burchette RSO

SIGNATURE

Randy Burchette

DATE

1-7-2003

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 ONLYR Janice H. Kirby
Licensing Assistant

nd Title)

SIGNATURE

Janice Kirby

DATE

1/10/03

TOTAL USAGE - DAYS TO DATE

Jobs to be done on Military Base's

000147 ✓
Caddell Construction Company Inc.
P.O. Box 210099
Montgomery, AL 36109
Mike Dean
910-436-0213

JK
~~000152~~
1st Brigade Barracks Complex
DACA21-99-C-0047
Fort Bragg / Ardennes Street

000148 ✓
Beneco Enterprises, Inc
P.O. Box 25471
Fort Bragg, NC 28314
Glenn Boone
910-960-9523

JK
~~000153~~
GD. Regional Support Center
Butner Rd/Letterman St
Fort Bragg N.C.
DAKF-40-00-D-0005

000149 ✓
RC Construction Company Inc
P.O. Box 1998
Greenwood, MS 38930
Charles Powers/Danny Farmer
662-453-2424

JK
~~000154~~
Ammo Holding Area
Manchester Road
Fort Bragg NC
DACA21-02-C-0006

000150 ✓
Bunce Construction Co. Inc
P.O. Box 840
Raeford, NC 28376
Frank Bunce
910-875-0150

JK
~~000155~~
Pave New Shoppette
DACA21-01-C-0052
Fort Bragg NC

000151 ✓
Atlas Resource Management Inc.
P.O. Box 210
Fayetteville NC 28302
Bill Jenne or Robert Martin
910-323-8422

JK
~~000156~~
Sof Team Facility (TIAF)
DACA21-02-C-0016
Butner Road

**North Carolina
Department of Environment and Natural Resources
Division of Radiation Protection**



**Michael F. Easley, Governor
William G. Ross, Jr., Secretary
Richard M. Fry, Director**

March 19, 2001

John A. Godwin, Jr., R.S.O.
Barnhill Contracting Company
2311 North Main Street
Tarboro, NC 27866

Dear Mr. Godwin:

Enclosed is Amendment Number 10 to North Carolina Radioactive Materials License Number 033-0958-1. This amendment has been issued in order to correct the country code reflected in the license header.

If this agency can be of assistance to you at any time, please do not hesitate to contact me.

Sincerely,

J. Robin Haden, Chief
Radioactive Materials Section

wlc

Enclosures

**RADIOACTIVE MATERIALS SECTION
DIVISION OF RADIATION PROTECTION
N. C. DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
RADIOACTIVE MATERIALS LICENSE**

Pursuant to North Carolina Regulations for Protection Against Radiation and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, own, possess, transfer, and import radioactive materials listed below; and 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 North Carolina Department of Environment and Natural Resources now and hereafter in effect and to any conditions specified below.

Licensee		3. License No:	033-0958-1
1. Name:	Barnhill Contracting Company	4. Expiration Date:	May 31, 2003
2a. Mailing Address:	2311 North Main Street Tarboro, NC 27866	Corrected Copy Amendment No.: 10	
b. Physical Address:	2311 North Main Street Tarboro, NC 27866		
6. Radioactive Material (element and mass no.)	7. Chemical and/or Physical Form	8. Maximum Amount of Radioactivity and/or Quantity of Radioactive Material which Licensee May Possess at Any One Time.	
A. Cs-137	A. Sealed Source	A. No single source to exceed 9 millicuries.	
9. Authorized Use:			
A. To be used in a Troxler Model 4640 Series Nuclear Density Gauge for the purpose of determining quality control in construction materials.			

CONDITIONS

10. A. The authorized places of receipt and storage of radioactive materials are:
- i) 4425 Pleasant Valley Road
Raleigh, NC 27622.
 - ii) 110 W. Island Rd.
Williamston, NC 27892-0602
 - iii) 174 Peavine Rd.
Clinton, NC 28328
 - iv) 1134 Shaw Mill Rd.
Fayetteville, NC 28303
 - v) 245 Cool Spring Rd.
Rocky Mount, NC 27801-2874
- B. Radioactive materials may be used at temporary jobsites of the licensee throughout the State of North Carolina in areas not under exclusive Federal jurisdiction (Federal installations such as military bases, V.A. Hospitals, etc.). Authorization for the use of radioactive materials at temporary jobsites under exclusive Federal Jurisdiction shall be obtained either by (1) filing a NRC Form 241 [10 CFR 150.20(b)], or (2) applying for reciprocity, or (3) applying for a specific license from the NRC if the length of the job is to exceed six (6) months.
- C. This condition does not prohibit the use of radioactive materials in other states; however, before radioactive materials can be used at a temporary jobsite in another state, authorization must be obtained from the State, if it is an Agreement state, or from the Nuclear Regulatory Commission for any non-Agreement State, either by filing for reciprocity or applying for a specific license.

**RADIOACTIVE MATERIALS SECTION
DIVISION OF RADIATION PROTECTION
N. C. DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
RADIOACTIVE MATERIALS LICENSE**

Supplementary Sheet

CONDITIONS (continued):

11. The licensee shall comply with the provisions of 15A NCAC 11 .1600 "Standards for Protection Against Radiation," and 15A NCAC 11 .1000 "Notices, Instructions, Reports and Inspections." (The North Carolina Regulations for Protection Against Radiation are contained in 15A NCAC 11.)
12.
 - A. Licensed material shall only be used by Steve Andrews, Thomas Avery, Randy Burchette, Don Enderle, Jr., David Glover, Cora Nunnery, Teresa Patrick, Angela Rankins, John Shaw, and Kerley J. Willoughby or individuals who are employees of the licensee, have successfully completed a manufacturers training program for gauge users, have been instructed in the licensee's routine operating and emergency procedures and who have been designated in writing as having completed these requirements by the Radiation Safety Officer.
 - B. Records of these designations shall be maintained for three (3) years after the company no longer employs the individual.
 - C. The Radiation Safety Officer for the activities authorized under this license shall be John A. Godwin, Jr.
 - D. The Assistant Radiation Safety Officer for the activities authorized under this license shall be Randy Burchette.
13.
 - A. Each sealed source containing radioactive material shall be tested for leakage and/or contamination at intervals not to exceed six (6) months. In the absence of a certificate from the 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 Radioactive Materials Section, Division of Radiation Protection, Department of Environment and Natural Resources, 3825 Barrett Drive, Raleigh, NC 27609-7221, describing the equipment involved, the test results, and the corrective action taken.
 - D. Tests for leakage and /or contamination shall be performed by persons specifically authorized by the agency to perform such services.
14. The licensee may transport licensed material or deliver licensed material to a carrier for transport in accordance with the provision of Section 71.5, Title 10, Code of Federal Regulations, Part 71, "Packaging of Radioactive Material For Transport."
15. Sealed sources containing radioactive material shall not be opened or removed from their respective source holders by the licensee.
16. Gauges that are equipped with a sliding block which require servicing shall be cleaned and lubricated only by personnel who are authorized in the license to use the gauge and who have received training on how to remove, clean and lubricate the sliding block properly. The sliding block may be removed provided:
 - A. Personnel removing the sliding block wear appropriate personnel monitoring equipment; and
 - B. Personnel removing the sliding block stay on the opposite side of the gauge from the sliding block and use a mirror to view the removal and reinstallation of the sliding block in order to minimize exposure.
17. The radioactive source rod containing radioactive material which requires servicing may be removed from the gauge for cleaning and lubrication only in accordance with procedures contained in the gauge manual and only by persons who are authorized in the license to use the gauge and who have received training on how to remove, clean, and lubricate the source rod properly. The source rod may be removed provided:

**RADIOACTIVE MATERIALS SECTION
DIVISION OF RADIATION PROTECTION
N. C. DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
RADIOACTIVE MATERIALS LICENSE**

Supplementary Sheet

CONDITIONS (continued):

17.
 - A. Personnel removing the source rod wear appropriate personnel monitoring equipment;
 - B. The source rod is removed while in an appropriate area away from other people;
 - C. After the source rod is cleaned and lubricated, a calibration check is made to confirm the source rod is in the proper location and instrument readings are normal;
 - D. Records show the location, date, and name of the person performing the cleaning, lubrication, and calibration check; and
 - E. The above records are maintained for a period of three (3) years or until the agency authorizes their disposal.
18. The licensee shall keep records for each device authorized in this license showing which authorized user has the device, the time and date the device was removed from storage, job where device was used and the time and date the device was placed back into storage. Records of use shall be kept for two (2) years for inspection by the agency or until they have been reviewed by the agency and if the records are determined to be satisfactory, then they may be disposed of.
19. The licensee shall conduct a physical inventory of all sealed sources received and possessed under this license at intervals not to exceed six (6) months. Records of the inventories shall be maintained for inspection by the agency and shall include the quantities and kinds of radioactive material, location of sources and the date of the inventory.
20. In addition to the possession limits in Item 8 above, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 15A NCAC 11 .0353 for establishing decommissioning financial assurance.
21. The licensee shall annually review its Radiation Protection Program for content and implementation [Reference 15A NCAC 11 .1603(c)]. Documentation of the Radiation Protection Program reviews shall be retained for inspection by the agency [Reference: 15A NCAC 11 .1636].
22. The licensee shall institute the provisions of 15A NCAC 11 .1610 when an occupationally exposed woman voluntarily informs her supervisor, in writing, of the pregnancy and the estimated date of conception.
23. The licensee shall ensure that no individual "member of the public" [Reference: 15A NCAC 11 .0104(64)] receives a radiation dose in excess of the limits specified in 15A NCAC 11 .1611(a) while conducting licensed activities.
24. The licensee shall maintain all records and documentation associated with this license at the address stated in Item 2b above.
25. Except as specifically provided otherwise by this license, the licensee shall possess and use radioactive material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in:
 - A. Application with attachments dated March 25, 1998, signed by Dominick E. Corbacio, RSO and countersigned by Lee Cooper, Executive Vice President on June 8, 1998; and letter with attachments dated June 9, 1998, signed by Dom Corbacio, RSO.
 - B. Administratively amended per Agency review.
 - C. Letter with attachments dated May 21, 1999, signed by Dom Corbacio, R.S.O.
 - D. Letter dated June 12, 2000, signed by Lee Cooper, Executive Vice President.

**RADIOACTIVE MATERIALS SECTION
DIVISION OF RADIATION PROTECTION
N. C. DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
RADIOACTIVE MATERIALS LICENSE**

Supplementary Sheet

CONDITIONS (continued):

25. E. Letter with attachments dated September 12, 2000, signed by Lee Cooper, Executive Vice Presidents.
- F. Corrected copy to reflect the current county code on the license header.

Date of Issuance: March 19, 2001


For: Richard M. Fry, CHP
Director, Division of Radiation Protection