

NRC FORM 241  
(7-1999)

U.S. NUCLEAR REGULATORY COMMISSION

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

(Please read the instructions before completing this form)

APPROVED BY OMB: NO. 3150-0013

EXPIRES: 07/31/2002

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 E6), U.S. Nuclear Regulatory Commission, Washington, DC 20535-0001, or by Internet e-mail to bjs1@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOF-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.

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

Titan Atlantic Group, Inc.

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

5240 Green's Dairy Rd.  
Raleigh, North Carolina 2

2. TYPE OF REPORT

☒ INITIAL ☐ REVISION ☐ CLARIFICATION

4. LICENSEE CONTACT AND TITLE

Jerry W Hyman RSO

5. TELEPHONE NUMBER  
(Include Area Code)

704-509-1777

6. FACSIMILE NUMBER  
(Include Area Code)

704-509-1888

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

☐ WELL LOGGING ☐ LEAK TESTING AND/OR CALIBRATIONS ☐ THERAPY/RADIATION SERVICE☐ PORTABLE GAUGES ☐ OTHER (Specify) →☒ RADIOGRAPHY → REGISTERED AS USER OF PACKAGING (CERTIFICATES OF COMPLIANCE NUMBERS)

092-1064-1 North Carolina

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

Superior Industrial  
Maintenance Co.  
P.O. Box 940  
Harrisburg NC

9. ACTUAL PHYSICAL ADDRESS OF WORK LOCATION

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

Seymour Johnson AFB  
1825 Taber Rd Goldsboro NC10. CLIENT TELEPHONE NUMBER  
(Include Area Code)

704-795-0001

11. WORK LOCATION TELEPHONE NUMBER  
(Include Area Code)

919-722-6055

12. DATES SCHEDULED

FROM

2-28-02

TO

2-28-02

13. NUMBER OF  
WORK DAYS

1

14. ADD

15. DELETE

16. LOCATION  
REFERENCE NUMBERNUMBER TO BE  
ASSIGNED BY NRC

000435

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.)

IR-192, 84curies, Spec 150 device

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

092-1064-1

STATE

NC

EXPIRATION DATE

4/31/02

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)

Jerry W Hyman VP, RSO

SIGNATURE

[Signature]

DATE

2/27/02

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 ONLYRE Janice H. Kirby  
Licensing Assistant

SIGNATURE

[Signature]

DATE

2/27/02

TOTAL USAGE - DAYS TO DATE

PRINTED ON RECYCLED PAPER

NRC FORM 241 (7-1999)

## OTHER SITES TO BE VISITED

Client

Caldwell Tank Louisville Ky.  
502-964-3361 Fax 502 966-8732

job location

Roanoke Va, Franklin  
County Va..

Contact phone 502-599-6527  
Mike Dietrick

dates

3-4-02

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

**James B. Hunt, Jr., Governor  
Jonathan B. Howes, Secretary  
Dayne H. Brown, Director**



April 21, 1997

**Jerry W. Hyman, Vice President  
Titan Atlantic Group, Inc.  
2725 Millbrook Road  
Raleigh, NC 27604**

Dear Mr. Hyman:

Enclosed is North Carolina Radioactive Materials License Number 092-1064-1, which I have issued today in accordance with the application with attachments dated March 18, 1997; letter with attachments dated April 3, 1997; and, application amendment date April 18, 1997. Please read this license carefully to make certain that it contains all the materials and provisions you require.

Also enclosed is a copy of the North Carolina Regulations for Protection Against Radiation, July, 1993. Please refer to Section .1100 concerning the invoice, which you will be receiving within the next few months.

Should you have any questions, please do not hesitate to contact me.

Sincerely,

**J. Aaron Padgett, Chief  
Radioactive Materials Section**

rbd

Enclosures

**RADIOACTIVE MATERIALS SECTION  
DIVISION OF RADIATION PROTECTION  
N.C. DEPARTMENT OF ENVIRONMENT, HEALTH  
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, Health, and Natural Resources now or hereafter in effect and to any conditions specified below.

<b>Licensee</b>			
1. Name:	Titan Atlantic Group, Inc.	3. License No.:	092-1064-1
2a. Mailing Address:	710-B W. North Street Raleigh, NC 27603	4. Expiration Date:	April 31, 2002
b. Physical Address:	500 Glenwood Avenue Raleigh, NC 27606	5. New License	
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. Iridium 192	A. Sealed Source (SPEC-150 Type B)	A. No single source to exceed 110 curies	
9. Authorized Use:			
A. To be used in a SPEC Model 150 exposure devise for industrial radiography and in a SP C-1 source changer for source storage and source exchange.			

**CONDITIONS**

- 10A. The authorized place of receipt and storage of radioactive material is the licensee address listed in Item 2b. above.
- 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, VA hospitals, etc). Authorization for the use of radioactive materials at temporary jobsites under exclusive Federal jurisdiction shall be obtained either by (1) filing an 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. The North Carolina Division of Radiation Protection Radioactive Material Section shall be notified of the location(s) of temporary jobsites within North Carolina, except those under Federal jurisdiction, no later than three (3) days prior to the first day of use. If the 3-day notification would impose a hardship on the licensee, the licensee may, upon application to the Agency, obtain permission to proceed sooner for a specific job.
- D. This condition does not prohibit the use of radioactive materials in other states; however, before radioactive material 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.
11. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 15 NCAC 11 .0353 for establishing decommissioning financial assurance.
- 12A. Radioactive materials shall only be used by the Radiation Safety Officer or other employees of the company who have met or exceeded the training requirements outlined in application dated March 18, 1997, signed by Jerry Hyman, V.P.

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

Supplementary Sheet

Conditions (continued):

- 12B. The Radiation Safety Officer for the activities authorized by this license shall be Jerry W. Hyman.
13. The licensee is authorized to possess, use and transfer up to 1000 pounds of Uranium contained as shielding material in the radiography exposure devices authorized by this license.
14. Notwithstanding the periodic leak test required by 15A NCAC 11 .0507, such requirement does not apply to radiography sources that are stored and not being used. The source, exempted from this test shall be tested for leakage prior to any use or transfer to another person unless they have been leak tested within six months prior to the date of use or transfer.
15. The licensee is authorized to receive, possess and use sealed sources of Iridium 192 or Cobalt 60 where the radioactivity exceeds the maximum amount of radioactivity specified in Item 8 of this license provided:
- A. Such possession does not exceed the quantity per source specified in Item 8 by more than 20% for Iridium 192 or 10% for Cobalt 60;
  - B. Records of the licensee show that no more than the maximum amount of radioactivity per source specified in Item 8 of the license was ordered from the supplier or transferor of the radioactive material; and
  - C. The levels of radiation for radiographic exposure devices and storage containers do not exceed those specified in 15A NCAC 11 .0503.
16. Sealed sources of radioactive material shall not be combined for use in open air techniques to produce a radiation level in excess of the level produced by the largest single source authorized by this license for open air use.
17. The licensee shall conduct a program for inspection and maintenance of radiography exposure devices and storage containers to assure proper functioning of components important to safety. The inspection and maintenance program shall be conducted at intervals not to exceed three (3) months. Records of the results shall be maintained for inspection by the Agency.
18. The licensee shall not transfer possession and/or control of materials or products containing radioactive material as a contaminant except:
- A. By transfer of waste to an authorized recipient;
  - B. By transfer to a specifically licensed recipient; or
  - C. As provided otherwise by specific condition of this license pursuant to the requirements of 15 NCAC 11 .0416.
19. The licensee shall comply with provisions of 15A NCAC 11 1600, "Standards for Protection Against Radiation," 15A NCAC 11 .0500, "Safety Requirements for Industrial Radiography Operations," and 15A NCAC 11 .1000, "Notices, Instructions, Reports and Inspections." (The North Carolina Regulations for Protection Against Radiation are contained in 15A NCAC 11).
20. The licensee may transport licensed material or deliver licensed material to a carrier for transport, in accordance with the provisions of Section 71.5, Title 10, Code of Federal Regulations, Part 71, "Packaging of Radioactive Material For Transport."
21. The licensee shall annually review its Radiation Protection Program for content and implementation [Ref. 15A NCAC 11 .1603(c)]. Documentation of the Radiation Protection program reviews shall be retained for inspection by the agency [Ref. 15A NCAC 11 .1636].

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

Supplementary Sheet

Conditions (continued):

22. The licensee shall institute the provisions of 15A NCAC 11 .1610 when an occupationally exposed woman voluntarily informs her supervisor, in writing, of her pregnancy and estimated date of conception.
- 23A. 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 operations.
- B. Licensee shall conduct and document a survey in accordance with 15A NCAC 11 .1641 within 30 days of first receipt of radioactive material to the authorized storage location.
24. Except as specifically provided otherwise by this license, the licensee shall possess, use, store, transport, and dispose of radioactive material described in Items 6, 7 and 8 of this license in accordance with the statements, representations and procedures contained in:
  - A. Application with attachments dated March 18, 1997, signed by Jerry W. Hymas, President; letter dated March 18, 1997, signed by J. Richard Cottingham, President; letter with attachments dated April 3, 1997, signed by Jerry W. Hymas, President; and, application amendment dated April 18, 1997, signed by Jerry W. Hymas, Vice President.

Date of Issuance: April 21, 1997

  
For: R.M. Fry  
Acting Director  
Division of Radiation Protection