

MAR-10-1999 16:25

USNR 1 PDF PA

510 337 5269 P.11/13

10 CFR 150

# REPORT OF PROPOSED ACTIVITIES IN NON-AGREEMENT STATES

(Please read the instructions on the cover sheet before completing this form.)

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

John Turner Consulting, Inc.

2. ADDRESS OF LICENSEE (Please include address or other location where licensee may be reached)

818 Central Avenue  
Dover, NH 03820

request 15 minutes. The 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. Federal comments regarding burden estimate for the information and Flexible Management System (FMS) U.S. Nuclear Regulatory Commission, Washington, DC 20540-0001, and in the Paperwork Reduction Project (3150-0018), Office of Management and Budget, Washington, DC 20503. NRC may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number.

3. TYPE OF REPORT

INITIAL

REVISION

CLASSIFICATION

4. CONTROL NUMBER

(Leave Blank - Number to be assigned by NRC)

5. LICENSEE CONTACT

John Turner

6. TELEPHONE NUMBER

(Include Area Code)  
603-749-1841

7. FACSIMILE NUMBER

(Include Area Code)  
603-743-3370

## 8. ACTIVITIES TO BE CONDUCTED IN NON-AGREEMENT STATES UNDER THE GENERAL LICENSE GIVEN IN 10 CFR 150.20

WELL LOGGING

LEAK TESTING AND/OR CALIBRATIONS

TELETHERAPY/RADIATOR SERVICE

PORTABLE GAUGES

OTHER (Specify)

RADIOGRAPHY

TRANSPORTATION OF RADIOACTIVE MATERIALS

REGISTERED AS OWNER OF RADIOACTIVE IDENTIFICATION OF COMPLIANCE NOS.

9. LICENSEE NAME, ADDRESS, CITY/COUNTY, STATE, ZIP CODE

The Whiting-Turner Contracting Company  
Two University Office Park  
51 Sawyer Road, Suite 220  
Waltham, Massachusetts 02453

10. WORK LOCATION ADDRESS (Street and number or other location. Give as complete an address or directions as possible.)

Portsmouth Naval Shipyard  
Berth # 11  
Portsmouth NH 03801

11. LICENSEE TELEPHONE NUMBER

(Include Area Code)  
781-642-1232

12. WORK LOCATION TECHNICIAN AUTHORIZED TO PERFORM WORK

Martin Menke / Bill Osmer / Dan Tipton

13. WORK LOCATION TELEPHONE NUMBER

(Include Area Code)  
603-235-7472

14. DATE(S) CONDUCTED

FROM Per Dentation

8-31-99

TO 12-31-99

15. NUMBER OF WORK DAYS

5

16. LOCATION REFERENCE NUMBER

LEAVE BLANK FOR INITIAL NRC REVIEW. SEE INSTRUCTIONS FOR NUMBER TO BE ASSIGNED BY NRC.

001137

UNIT ADDITIONAL WORK SITES ON SEPARATE SHEET TO INCLUDE ALL INFORMATION CONTAINED IN ITEMS 8-16 ABOVE.

17. LIST ADDITIONAL MATERIAL, WHICH WILL BE POSSESSED (EITHER INSTALLED, SERVICES, OR TESTED) IN NON-AGREEMENT STATES.

(Include description of type and quantity of radioactive material, waste source, or device to be used.)

Troxler 3430 nuclear moisture/density gauge - Source: Am 241Be  
CS-137

18. APPROXIMATE STATE(S) OF LOCATION, WHICH A FIRM OR PERSON IS AUTHORIZED TO CONDUCT ACTIVITIES WHICH ARE THE SAME, EXCEPT FOR LOCATION OF USE, AS DESCRIBED IN ITEM 8 ABOVE. For copies of the specific license must accompany the initial NRC Form 241.

LICENSE NUMBER

U23A

STATE

New Hampshire

EXPIRATION DATE

June 30, 2003

TOTAL USAGE DAYS TO DATE

123 CRB

## 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 cover sheet of this form set, and I understand that I am required to comply with those 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.
- 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 am also aware that I will be responsible for any fees associated with such inspections.
- I understand that conduct of any activities not described above, including conduct of activities on dates or locations different from those described above, without NRC authorization, may subject me to enforcement action, including civil or criminal penalties.

CERTIFYING OFFICER - RSO or Management Representative (Typed Printed Name and Title)

John D. Turner (RSO)/President

SIGNATURE

J. D. Turner

DATE

8-04-99

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 MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITH ITS JURISDICTION.

FOR NRC USE ONLY

AUTORIZED NRC SPECIAL (Typed Printed Name and Title)

SIGNATURE

John R. McKeith

DATE

9/1/99

NRC FORM 241 (8-99)

CRB 8/31/99

NE05 RETURN TO REGION I

\* Additional Clients on next page.

ATTN: Rita Messier

REGION I

TRANSMITTAL FOR NRC FORM 241 & REVISION SUBMITTALS

☒ INITIAL 241 PACKAGE

☐ REVISION

LICENSEE NAME: John Turner Consulting, Inc

LICENSE NO: NH-423R

CHECK NO: 829 + 831

CHECK AMOUNT: \$ \$1100.<sup>00/</sup> + \$100.<sup>00/</sup>

1999 SEP -9 PM 6:25

Cheyl K. Burack 9/3/99  
Processor Signature Date

Attachments:

1. Check
2. Approval Letter/Revision Sheet
3. NRC Form 241 (for initial 241 pkg.)
4. Agreement State License (for initial 241 pkg.)

Log	Dep 1 241
Remitter	8/3/99 / 8/3/99
Check No.	829 / 831
Amount	\$1100 + \$100
Fee Category	16
Type of Fee	Appl
Date Check Rec'd.	9/10/99
Date Completed	
By:	Rita Messier

Rev. 08/23/94

AUG-31-99 10:45 AM

P. 12

**JOHN TURNER CONSULTING, INC.**

P.O. BOX 8373  
LACONIA, NH 03247  
(603) 526-2377

167  
AA905 APP  
Sep 1 241  
FLEET  
01162 DOVER OFFICE  
DOVER, NEW HAMPSHIRE 03820  
54-48-114

8/31/1999

829

PAY TO THE  
ORDER OF NRC

\$ \*\*1,100.00

One Thousand One Hundred and 00/100\*\*\*\*\*

DOLLARS

NRC

MEMO

Reciprocity Fee

John O. Turner  
⑈000829⑈ ⑆011400495⑆ 94008 84598⑈

Security Features Included Details on back

**JOHN TURNER CONSULTING, INC.**

NRC

8/31/1999

829

PNSY Reciprocity Fee

1,100.00

AUG-31-99 10:45 AM

P. 11

**JOHN TURNER CONSULTING, INC.**

P.O. BOX 8373  
LACONIA, NH 03247  
(603) 526-2377

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One Hundred and 00/100\*\*\*\*\*

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Security Features Included Details on back

**JOHN TURNER CONSULTING, INC.**

NRC

8/31/1999

831

PNSY Reciprocity Fee

100.00



2. HL Smith Inc. #001138  
1 woodland Rd  
North Hampton, NH 03862  
(603) 964-7176

3. Ricci Construction Co. Inc.  
225 Banfield Rd  
Portsmouth, NH 03801 #001139  
(603) 436-3112

4. Gove Construction Inc.  
West Road  
Portsmouth NH 03801  
(603) 431-8200 #001140

5. Abbingten Construction  
195 West Road  
Portsmouth, NH 03802  
(603) 436-5800 #001141

6. J.S.N Construction  
10 Vaughan Street  
Portsmouth, NH 03801  
(603) 433-8639 #001142

7. Jewett Construction Inc.  
PO Box 405  
Raymond, NH 03077  
(603) 895-2412 #001143

*Some more clients*

## 1999 PROJECTS LIST

PROJECT #	CLIENT	PROJECT NAME
99-001	Pro-Con	Tain Office Building
99-002	Prufen Concrete	Howard Johnson Addition
99-003	Destefano Group	Stonewall Kitchen, Hampton, NH
99-004	Bayview Construction	Wilton Bridge
99-005	(Pilot Construction)	(Woodland Commons)
99-006	Town of Raymond	Watson Hill Road
99-007	Quickrete Companies	Quickrete Testing
99-008	Dufresne-Henry	Coleman Rd, Milford NH
99-009	Whitcher Builders	Portsmouth Transportation Ctr.
99-010	Dufresne-Henry	Gullane Subdivision
99-011	Mick Construction	Alden Woods
99-012	Weststate Construction	Winnicunnet Rd, Hampton NH
99-013	Resource Laboratories, Inc	Misc. Testing
99-014	Crocketts Crossing, LLC	Crocketts Crossing, Somersworth
99-015	Dufresne-Henry	Chapel Fire Cistern
99-016	Bar Excavating	Miscellaneous Testing
99-017	Dufresne-Henry	Proctor Subdivision
99-018	Jewett Construction	Rochester Pool
99-019	Seacoast Crane	Lincoln Mill Work
99-020	Whitcher Builders	Somersworth Kindergarten
99-021	SUR	Misc. Testing
99-022	MHA	Pariseau NH 1-8
99-023	Mick Construction	Misc. Testing (Bzckwoods)
99-024	Turgeon Const.	Misc. Testing
99-025	Jacques Whitford	Misc. Testing
99-026	MHA	Falls Ave.
99-027	Town of Farmington	Water System Improvements
99-028	Hiltz Construction	
99-029	Superior Excav.	Misc. Testing New Hampton
99-030	CGH Excavating	Bayfield Subdivision

NRE NOTE: These clients will be added to the data base & receive a reference no. when a clarification is submitted.  
Cheryl Buracker



99-063	Bell & Flynn	Misc. Testing
99-064	Dufresne-Henry	Bunker Hill
99-065	Lupoli Excavators	Piscassic River
99-066	HL Smith	Berth # 168 PNSY
99-067	Dezan Construction	Rochester Daycare
99-068	HL Patten	Unemployment Security
99-069	D/H	Troy Landfill Closure
99-070	Shumway	San. Pump Sta. Sewer Project
99-071	SPS-NE	Seabrook Rest Area
99-072	HTA	Amoskeag Bridge
99-073	Superior	Turkey Hill Rd, Merrimack, NH
99-074	City of Dover	Misc. Testing
99-075	Park Avenue Const.	Capt'n Landing, Dover, NH
<del>99-075</del>		
99-076	Park Avenue Const.	Abernacki Meadows, Greenland
99-077	UNH	USO Ocean Eng. Bldg (Home)
99-078	D/H	Hollow Oak Lane, Milford, NH
99-079	RICCI Const	PNSY <del>Bldg</del> Eng 285
99-080	Glen Builders	Best Western, Concord, NH
99-081	Northington Inv. Prop.	New Meadows, Dover, NH
99-082	UNH Meriden	Conant Hall - <del>Meriden</del> (Meriden)
99-083	Persimmon Builders	Shawbena Lane, Stratham
99-084	D/H	Badger Hill - Milford, NH
99-085	UNH	CE Site Work (HL Smith)
99-086	New stress	Target Nod.
99-087	Penh Corp.	Temple WTP
99-088	Willis Engineering	Dartmouth Project
99-089	Bowen Corp.	Plaistow Library
99-090	BC Const. Corp	Misc. Testing
99-091	Mick Const.	Infinity Dr.

99-031	Baybutt Foundations	Avid Precision Expansion Franklin, NH
99-032	Arthur Hartford	Spruce Woods Subdivision Durham, NH
99-033	MJS Engineering	Misc. Testing
99-034	Dufresne-Henry	Smith Road Pump Station
99-035	Dufresne-Henry	Derry, NH Sewer Rehabilitation
99-035		
99-036	Tilton Sewer Commission	Sewer Expansion
99-037	Glen Builders	Barrington Kindergarten
99-038	Dufresne-Henry	Shay's Purchase
99-039	R.M. Piper	Nashua Bridge
99-040	Coastal Concrete	Misc. Testing
99-041	Dufresne-Henry	Franklin Skater
99-042	Thibeault Construction	State Rd. (Juniper Hill), New Boston, NH
99-043	Jewett Construction	Salvation Army, Salem, NH
99-044	David Whitcher Builders	Visitor's Center, Seabrook, NH
99-045	RJ Dodier	Newton St. Water & Sewer
99-046	Keymont Const.	Farmington Water & Sewer
99-047	Milton School District	Milton Kindergarten Add.
99-048	CLD Engineering	Brook Rd Bridge, Alton, NH
99-049	Town of Raymond	Ventura Rd.
99-050	Blood Excavating	Applecrest Subdivision Hampton Falls, NH
99-051	Dufresne-Henry	Drouin Circle Subdivision
99-052	Prugen Concrete	Misc. Testing
99-053	Weststate Const.	Hunt Road, Peterborough, NH
99-054	Glen Builders	Barrington Fire Station
99-055	Fred Oliveri	Newington IHOP
99-056	R.P. Masiello	Harvey Industries Add
99-057	Norway Plains	Albany International
99-058	Dufresne-Henry	Juniper Hill Cistern
99-059	Opechee Construction	Medical Supply Building
99-060	Town of Newport, NH	Blueberry Ridge Road
99-061	Jewett Const.	Dover Housing
99-062	Whiting/Turner	Berth #11, PNSY





Douglas L. Shumway  
Commissioner

Dianne Luby  
Director

STATE OF NEW HAMPSHIRE  
DEPARTMENT OF HEALTH AND HUMAN SERVICES  
OFFICE OF COMMUNITY & PUBLIC HEALTH

6 HAZEN DRIVE, CONCORD, NH 03301-6527  
603-271-4588 1-800-852-3345, Ext. 4588 TDD Access: 1-800-735-2964

August 6, 1999

John Turner Consulting, Inc.  
ATTN: John D. Turner, President  
818 Central Avenue  
Dover, New Hampshire 030820

RE: License No. 423R

Gentlemen:

We transmit herewith the amendment to your radioactive material license issued in response to your letter dated July 26, 1999, requested that additional gauge storage facilities be authorized.

Please review the enclosed document carefully. If there are any errors or questions, please notify the New Hampshire Department of Health and Human Services' Bureau of Radiological Health so that we can provide appropriate corrections and answers.

Thank you for your cooperation. If we can be of any assistance to you in your radiation safety program, please do not hesitate to contact us.

Sincerely,

Dennis P. O'Dowd, Supervisor  
Radioactive Material Section  
Bureau of Radiological Health

Enc: Amendment No. 2, License No. 423R

Action Log No. 99-06081 closed  
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FORM BRH-2B

AUDIT **RN** (No fee required)  
REF  
PAGE 1 of 3 PAGESSTATE OF NEW HAMPSHIRE  
DEPARTMENT OF HEALTH AND HUMAN SERVICES  
OFFICE OF COMMUNITY & PUBLIC HEALTH  
BUREAU OF RADIOLOGICAL HEALTH**RADIOACTIVE MATERIAL LICENSE**

Pursuant to the State of New Hampshire, Department of Health and Human Services' Bureau of Radiological Health regulations 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, 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, regulations, and orders of the Department of Health and Human Services' Bureau of Radiological Health now or hereafter in effect and to any conditions specified below.

This amendment is issued pursuant to and in accordance with letter dated July 26, 1999, signed by John Turner, president. Previous amendments void.

LICENSEE		3. LICENSE NUMBER	AMENDMENT NUMBER
1. NAME John Turner Consulting, Inc.		423R	02
2. ADDRESS 818 Central Avenue Dover, New Hampshire 03820		4. EXPIRATION DATE June 30, 2000	
		5. CATEGORY Gauges (Portable)	
6. RADIOACTIVE MATERIAL (ELEMENT AND MASS NUMBER)	7. CHEMICAL AND/OR PHYSICAL FORM	8. MAXIMUM AMOUNT OF RADIOACTIVITY WHICH LICENSEE MAY POSSESS AT ONE TIME	
A. Cesium 137	A. Sealed sources (Amersham Corporation Model No. CDCW556 or Isotope Products Laboratories Model No. HEG-0057)	A. No single source to exceed 9 millicuries; 8 sources total.	
B. Americium 241; Beryllium	B. Sealed sources (Amersham Corporation Model No. AMNV.997 or Isotope Products Laboratories Model HEG-0058)	B. No single source to exceed 44 millicuries; 8 sources total.	

## 9. AUTHORIZED USE

A. and B. To be used in Troxler Electronic Laboratories, Inc., Model 3400 Series portable surface moisture and density gauges for the measurement of moisture and density of soils, aggregates and paving materials.

## CONDITIONS

10. Radioactive material may be stored at the licensee's facilities located at 818 Central Avenue, Dover, New Hampshire, 270 Exeter Road (Route 27), Epping, New Hampshire, and 21 West Auburn Street, Unit #25A, Manchester, New Hampshire. Radioactive material may be used at temporary job sites of the licensee anywhere in the State of New Hampshire where the Bureau of Radiological Health (Bureau) maintains jurisdiction for regulating the use of radioactive material.

(contd. on next page)

For the Department of Health and Human Services  
Office of Community & Public Health

DATE OF ISSUANCE August 6, 1999

*Diane E. Tefft*  
Diane E. Tefft, Administrator  
Bureau of Radiological Health



State of New Hampshire  
Department of Health and Human Services  
Office of Community & Public Health  
Bureau of Radiological Health

Page 2 of 3 pages

License No. 423R  
Amendment No. 02

Radioactive Material License

Supplementary Sheet

(contd. from previous page)

11. This license is subject to an annual fee in accordance with Part He-P 4070, New Hampshire Rules for the Control of Radiation (NHRCR), for the applicable amount specified in Table 4070.1 of that Part.
12. The licensee shall comply with the provisions of Parts He-P 4001, 4003, 4019, 4020, 4021, 4022 and 4023, NHRCR.
13. A. Radioactive material listed in Condition 6 above shall only be used by John Turner, Clifford Jones, Jr., or individuals who have satisfactorily completed the manufacturer's training for gauge users, or other training course approved by the Bureau, and in addition have received the training described in application dated March 11, 1998, and letter dated May 26, 1998, and have been approved in writing by the Radiation Safety Officer. The licensee shall maintain records of individuals designated as users and their training for 5 years following the last use of licensed material by the individual.
- B. The individual designated to perform the functions of Radiation Safety Officer (RSO) for activities authorized by this license is John Turner.
14. A. Each sealed source containing radioactive material other than Hydrogen 3, with a half-life greater than 30 days and in any form other than gas, shall be tested for leakage and/or contamination at intervals not to exceed six months. In the absence of a certificate from a transferor indicating that a test has been made within six 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 Bureau.
- 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 the NHRCR. A report shall be filed within five days of the test with the Bureau of Radiological Health, Health & Welfare Building, 6 Hazen Drive, Concord, NH 03301-6527, describing the equipment involved, the test results, and the corrective action taken.
- D. The licensee is authorized to collect leak test samples only for analysis by Troxler Electronics Laboratories, Inc. Alternatively, complete tests for leakage and/or contamination (sample collection and analysis inclusive) shall be performed by persons specifically licensed by the Bureau, the U.S. Nuclear Regulatory Commission (NRC) or an Agreement State, to perform such service.
15. Sealed sources containing radioactive material shall not be opened or removed from the gauges by the licensee.
16. Maintenance or repair of portable devices involving removal of sealed sources from the device or removal or dismantling of shielding may be performed only by the device manufacturer or by other persons specifically authorized by the Bureau, the NRC or an Agreement State, to perform such services.

(contd. on next page)





State of New Hampshire  
Department of Health and Human Services  
Office of Community & Public Health  
Bureau of Radiological Health

Page 3 of 3 pages

License No. 423R  
Amendment No. 02

Radioactive Material License

Supplementary Sheet

(contd. from previous page)

17. The licensee shall conduct a physical inventory every six (6) months to account for all licensed devices received and possessed under the license. The records of the inventories shall be maintained for three (3) years from the date of the inventory for inspection by the Bureau, and shall include the quantities and kinds of radioactive material, location of sealed sources, and the date of the inventory.
18. Each portable nuclear gauge shall have a lock or outer locked container designed to prevent unauthorized or accidental removal of the sealed source from its shielded position. The gauge or its container shall be locked when in transport or when not under the direct surveillance of an authorized user.
19. The licensee shall maintain a daily utilization log for the devices listed in Condition 9 at the main facility address specified in Condition 10, and also the sub-site facilities. The log shall include the name of the authorized user with the device, the place of intended use, and the date the device was removed and returned to storage.
20. The licensee who uses a gauging device for testing at field sites shall possess at such locations a current copy of the license, the current leak test certificate and the licensee's operating and emergency procedures.
21. The licensee may transport licensed material or deliver licensed material to a carrier for transport in accordance with the provisions of Section He-P 4037.06, NHRCR, the regulations of the New Hampshire Department of Safety, and the U.S. Department of Transportation.
22. Except as specifically provided otherwise by this license, the licensee shall possess and use the radioactive material authorized by this license in accordance with statements, representation, and procedures contained in the documents, including any enclosures, listed as follows:

application dated March 11, 1998  
letters dated May 26, 1998  
July 26, 1999  
July 27, 1999  
August 3, 1999

The NHRCR shall prevail over the statements contained in the above documents unless such statements are more restrictive than the Rules.