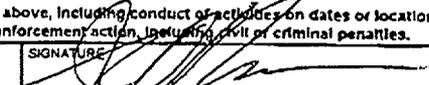
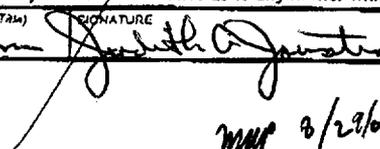


<b>NRC FORM 241</b> (7-1999)		<b>U.S. NUCLEAR REGULATORY COMMISSION</b>		APPROVED BY OMB: NO. 3150-0013 Estimated burden per response to comply with this mandatory collection request: 15 minutes. This notification is required so that NRC may schedule inspection of the activities to ensure that they are 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 EB), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to bjs1@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: 07/31/2002	
<b>REPORT OF PROPOSED ACTIVITIES IN NON-AGREEMENT STATES, AREAS OF EXCLUSIVE FEDERAL JURISDICTION, OR OFFSHORE WATERS</b> (Please read the instructions before completing this form)							
1. NAME OF LICENSEE (Person or firm proposing to conduct the activities described below) Independent Consultants & Engineers, Inc.				2. TYPE OF REPORT <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) 15861 Commerce Court Upper Marlboro, MD 20774-7412				4. LICENSEE CONTACT AND TITLE Jules D. Reese, P.E., Sr. V.P.			
				5. TELEPHONE NUMBER (Include Area Code) 301-218-5458		6. FACSIMILE NUMBER (Include Area Code) 301-218-1170	
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"/> RADIOGRAPHY    => REGISTERED AS USER OF PACKAGING (CERTIFICATES OF COMPLIANCE NUMBERS)							
8. CLIENT NAME, ADDRESS, CITY/COUNTY, STATE, ZIP CODE See Attached				9. ACTUAL PHYSICAL ADDRESS OF WORK LOCATION (Street and Number or other location. Give as complete an address or directions as possible.) See Attached			
				10. CLIENT TELEPHONE NUMBER (Include Area Code)		11. WORK LOCATION TELEPHONE NUMBER (Include Area Code)	
12. DATES SCHEDULED FROM 8/30/02 TO 12/31/02		13. NUMBER OF WORK DAYS 46	14. ADD	15. DELETE	16. LOCATION REFERENCE NUMBER NUMBER TO BE ASSIGNED BY NRC multiple		
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.) Cesium 137 (10mCi); Americium 241: Be (40.0 mCi) Nuclear Density Gauges, sealed source containing the above.							
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 MD-33-154-01		STATE MD	EXPIRATION DATE 10-31-2004
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 of Management Representative (Name and Title) Jules D. Reese, P.E., Sr. V.P.				SIGNATURE 		DATE 8-23-02	
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 ONLY		REVIEWING OFFICIAL (Typed/Printed Name and Title) Judith A. Johnston		SIGNATURE 		DATE 8/29/02	TOTAL USAGE... DAYS TO DATE 81

MMF 8/29/02

Projected NRC Usage 2002

Project Name	Client Name	Address	Phone	Estimated Schedule*
Annealing Oven Facility	Whiting-Turner 000979	U.S. Naval Ordnance Station Indian Head, Maryland	301-743-2100	10/14 - 10/16
AMSA	RWKS Construction 000980	U.S. Army General Services Depot Curtis Bay, Maryland	410-789-4590	9/9 - 9/13
Assisted Living Facility	Chesapeake Healthcare Corp 000981	Reston, Virginia	None	11/11 - 11/12
Centralized Sewer Treatment	Whiting-Turner 000982	U.S. Naval Ordnance Station Indian Head, Maryland	301-743-3327	9/9 - 9/13
Cleveland Elementary School	Barclay White/Coakley Const 000983	1825-8 <sup>th</sup> Street, NW, Washington, DC	240-208-1046	9/9 - 9/20 (10 days)
ELC Consolidation	BUCON, Inc. 000984	U.S. Army General Services Depot Curtis Bay, Maryland	816-245-6099	9/23 - 10/4 (10 days)
Marine Operations Facility P454	Barclay White/Coakley Const. 000985	Patuxent Naval Air Test Center 48542 Haney Road, Patuxent River, Maryland	301-737-0503	9/16 - 9/17
Safeway - Herndon, VA	Safeway 000986	Herndon, Virginia	301-918-6537	10/7 - 10/11
White Oak Federal Research Center	Anderson Excavating 000987	The Naval Surface Weapons Facility White Oak, Maryland	301-586-0100	9/3 - 9/16 (10 days)
Fort Belvoir	Coakley Const. 000988	Fort Belvoir Lorton, Virginia	301-963-5000	10/7 - 10/8
Quantico, USMC	Barclay White/Coakley Const.	Quantico Marine Corps Base Quantico, Virginia	301-963-5000	11/4 - 11/5
NIH	Barclay White/Coakley Const. 000989	National Institutes of Health Bethesda, Maryland	301-963-5000	11/4
400 Massachusetts Avenue	Bovis, LLC 000990	Washington, DC	301-951-3800	11/18 - 11/20
Colonial Terrace	Clark Construction 000991	Arlington, Virginia	None	11/18 - 11/20
Care of Trees	HBW Group 000992	Manassas, Virginia	301-517-1916	9/23
WalMart	WalMart 000993	Manassas, Virginia	None	10/21 - 10/25
Emergency Services	Barclay White/Coakley Construction 000994	Fort George G. Meade Military Reservation Ft. Meade, MD	None	10/14
Dia-J-Jac	Barclay White/Coakley Construction 000995	Bolling Air Force Base Washington, DC	None	10/28 - 10/29
Secret Service	Joyce Engineering 000996	Greenbelt, Maryland	None	10/21 - 10/23

Total Work Days 46

\* Estimated Schedule is our best guess as to when services may be scheduled by the clients. No weekend work is currently anticipated; therefore, a 5-day duration is assumed to be a workweek Monday-Friday.



# MARYLAND DEPARTMENT OF THE ENVIRONMENT

2500 Broening Highway • Baltimore, Maryland 21224  
(410) 631-3000 • 1-800-633-6101 • <http://www.mde.state.md.us>

Parris N. Glendening  
Governor

Jane T. Nishida  
Secretary

APR 5 2001

Jules D. Reese, Radiation Safety Officer  
Independent Consultants & Engineers, Inc.  
15861 Commerce Court  
Upper Marlboro MD 20774-0561

**RE: Radioactive Materials License #MD-33-154-01**

Dear Ms. Reese:

Your requested amendment to radioactive materials license number **MD- 33-154-01** is enclosed. Please review it carefully to ensure that it reflects all modifications included in your letter received in this office on March 20, 2001.

Should you require further assistance, please contact Messrs. Carl E. Trump Jr., or Raymond E. Manley at (410) 631-3300. You may also reach our office toll-free (in Maryland only) by dialing 1-800-633-6101 and requesting extension 3301. Also, you may contact this office via facsimile at (410) 631-3198.

Sincerely,

Roland G. Fletcher, Manager III  
Radiological Health Program

*REM*  
RGF/REM/NAO/cc

Enclosure: License amendment (01)  
Code (03121)



DEPARTMENT OF THE ENVIRONMENT  
**RADIOLOGICAL HEALTH PROGRAM**  
**RADIOACTIVE MATERIAL LICENSE**

Page 1 of 1 pages

License No: MD-33-154-01

Amendment No.: 01

CODE 03121

Independent Consultants & Engineers Inc.  
15861 Commerce Court  
Upper Marlboro, Maryland 20774-0561

In accordance with letter dated March 16, 2001, Radioactive Material License Number MD-33-154-01 is amended as follows:

Condition 11A to read:

11A. The radiation protection program shall be under the supervision of Jules D. Reese.

FOR THE MARYLAND DEPARTMENT OF THE ENVIRONMENT

March 26, 2001

Roland G. Fletcher  
Radiological Health Program Manager

NAO VAO 3/26/2001  
RE 4/3/2001



**DEPARTMENT OF THE ENVIRONMENT  
RADIOLOGICAL HEALTH PROGRAM  
RADIOACTIVE MATERIAL LICENSE**

Page 1 of 4 pages

Pursuant to the Maryland Radiation Act, 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. The license is subject to all applicable rules, regulations and orders of the Maryland State Department of the Environment, now or hereinafter in effect and to any conditions specified below.

<p>1. <b>Name:</b> Independent Consultants &amp; Engineers Inc.</p> <p>2. <b>Address:</b> 15861 Commerce Court Upper Marlboro, Maryland 20774-0561</p>	<p>3. <b>License No.:</b> MD-33-154-01</p> <p>4. <b>Amendment No.:</b> NEW CODE 03121</p> <p>5. <b>Expiration Date:</b> October 31, 2004</p>	
<p>6. <b>Radioactive material element &amp; mass number:</b></p> <p>A. Cesium-137</p> <p>B. Americium-241:Be</p> <p>C. Cesium-137</p> <p>D. Americium-241:Be</p> <p>E. Cesium-137</p> <p>F. Americium-241:Be</p>	<p>7. <b>Chemical and/or physical form:</b></p> <p>A. Sealed Source (Troxler A102112)</p> <p>B. Sealed Source (Troxler A102451)</p> <p>C. Sealed Source (Humboldt HSI2200064)</p> <p>D. Sealed Source (Humboldt HSI2200067)</p> <p>E. Sealed Source (CPNGB/24/S)</p> <p>F. Sealed Source (CPN GB281/S)</p>	<p>8. <b>Maximum amount of radioactivity which licensee may possess at any on time:</b></p> <p>A. No source to exceed 10 millicuries</p> <p>B. No source to exceed 50 millicuries</p> <p>C. No source to exceed 11 millicuries</p> <p>D. No source to exceed 44 millicuries</p> <p>E. No source to exceed 10 millicuries</p> <p>F. No source to exceed 50 millicuries</p>



DEPARTMENT OF THE ENVIRONMENT  
**RADIOLOGICAL HEALTH PROGRAM**  
**RADIOACTIVE MATERIAL LICENSE**

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License No.: MD-33-154-01

Amendment No.: NEW

**9. Authorized Use(s):**

A&B. For use in Troxler 3400 Series moisture/density gauges to measure construction materials.

C&D. For use in Humboldt Model 5001 moisture/density gauges to measure construction materials.

E&F. For use in Campbell Pacific Nuclear Series MC Portaprobe moisture/density gauge to measure construction materials.

CONDITIONS

10. The authorized place of use is the licensee's address stated in Item 2 and temporary job sites of the licensee throughout Maryland. The licensee must notify the Radiological Health Program 30 days prior to vacating a permanent use address as is required by Section D.1301 of COMAR 26.12.01.01.

11A. The radiation protection program shall be under the supervision of Raymond Burnsworth.

11B. Radioactive material shall be used by or under the supervision and in the physical presence of an employee who:

1. has a certificate from a licensed training course on file with the licensee; and
2. the licensee has authorized to use radioactive material and has so notified the Radiological Health Program, in writing.

12. The licensee shall comply with all appropriate provisions of COMAR 26.12.01.01 "Regulations for Control of Ionizing Radiation."

13A. 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. If there is reason to suspect that a sealed source might have been damaged, or might be leaking, it shall be tested for leakage before further use.

13B. 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 a device in which the sealed source is permanently mounted or stored on which one might expect contamination to accumulate.

13C. Records of leak tests shall be kept in units of microcuries and maintained for inspection by the Department.



DEPARTMENT OF THE ENVIRONMENT  
**RADIOLOGICAL HEALTH PROGRAM**  
**RADIOACTIVE MATERIAL LICENSE**

Page 3 of 4 pages

License No.:

Amendment No.:

CONDITIONS CONTINUED

- 13D. 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 Department regulations. A report shall be filed within five (5) days of the test with the Administrator, Radiological Health Program, 2500 Broening Highway, Baltimore, Maryland 21224 describing the equipment involved, the test results, and the corrective action taken.
- 13E. Test for leakage and/or contamination shall be performed by the licensee or by other persons specifically authorized by the Department, the U.S. Nuclear Regulatory Commission or another Agreement State to perform such services
14. Maintenance and repair of devices containing radioactive material and installation, replacement, and disposal of sealed sources shall be performed by Troxler, Humboldt or Campbell Pacific Nuclear or by other persons specifically authorized by the Department, the U.S. Nuclear Regulatory Commission or another Agreement State to perform such services.
15. Sealed sources containing radioactive material shall not be opened or removed from their respective source holders by the licensee.
16. The licensee shall conduct a physical inventory every six (6) months to account for all sealed sources received and possessed under the license. The records of the inventories shall be maintained for two (2) years from the date of the inventory for inspection by the Department, and shall include the quantities and kinds of radioactive material, location of sealed sources, and the date of the inventory.
- 17A. Transportation of radioactive material in the State of Maryland shall be in compliance with Part T, Section T.5 "Transportation of Licensed Material" of COMAR 26.12.01.01.
- 17B. The licensee shall transport licensed material or deliver licensed material to a carrier for transport in accordance with the provisions of Section T.5, "Transportation of Licensed Material" of COMAR 26.12.01.01.
- 18A. The licensee shall not make any false statement, representation, or certification in any application, record, report, plan, or other document regarding radiation levels, tests performed or radiation safety conditions or practices. Additionally, the licensee shall not falsify, tamper with, or render inaccurate any monitoring device or method.
- 18B. Violation of any term, condition, or regulation could subject the licensee to administrative or civil penalty or criminal prosecution, as specified in Title 8, Radiation, of the Article Environment of the Annotated Code of Maryland.



DEPARTMENT OF THE ENVIRONMENT  
**RADIOLOGICAL HEALTH PROGRAM**  
**RADIOACTIVE MATERIAL LICENSE**

Page 4 of 4 pages

License No: MD-33-154-01

Amendment No.: NEW

CONDITIONS CONTINUED

19. Except as specifically provided otherwise by this license, the licensee shall possess and use radioactive material authorized by this license in accordance with statements representations, and procedures contained in application dated September 17, 1998 and letter dated February 12, 1999. COMAR 26.12.01.01 "Regulations for Control of Ionizing Radiation" shall govern the licensee's statements in applications or letters, unless the statements are more restrictive than the regulations.

FOR THE MARYLAND DEPARTMENT OF THE ENVIRONMENT

November 1, 1999

Roland G. Fletcher  
Radiological Health Program Manager

NAO. CET

11/16/99