

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 (7-8 EB), U.S. Nuclear Regulatory Commission, Washington, DC 20553-0001, or by Internet e-mail to bja1@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.

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

2. TYPE OF REPORT
 INITIAL REVISION CLARIFICATION

3. ADDRESS OF LICENSEE (Mailing address or other location where licensee may be located)
2202 Lakeside Blvd.
Edgewood, MD 21040

4. LICENSEE CONTACT AND TITLE
John Volz
Radiation Safety Officer

5. TELEPHONE NUMBER (Include Area Code)
410-510-9135

6. FACSIMILE NUMBER (Include Area Code)
410-510-9497

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

WELL LOGGING LEAK TESTING AND/OR CALIBRATIONS TELETHERAPY/RADIATOR SERVICE

PORTABLE GAUGES OTHER (Specify) → Gas Aerosol Detector

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 direction as possible.)
See Attached

10. CLIENT TELEPHONE NUMBER (Include Area Code)
See Attached

11. WORK LOCATION TELEPHONE NUMBER (Include Area Code)
See Attached

12. DATES SCHEDULED		13. NUMBER OF WORK DAYS	14. ADD	15. DELETE	16. LOCATION REFERENCE NUMBER
FROM	TO				NUMBER TO BE ASSIGNED BY NRC
See Attached	See Attached	See Attached			

17. LIST ADDITIONAL WORK SITES ON SEPARATE SHEET(S) TO INCLUDE ALL INFORMATION CONTAINED IN ITEMS 9-16 ABOVE.
See Attached

18. 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.)
See Attached

19. AGREEMENT STATE SPECIFIC LICENSE WHICH AUTHORIZES THE UNDERSIGNED TO CONDUCT ACTIVITIES WHICH ARE THE SAME, EXCEPT FOR LOCATION OF USE, AS SPECIFIED IN ITEM 8 ABOVE. (Four copies of the specific license must accompany the Initial NRC Form 241.)	LICENSE NUMBER	STATE	EXPIRATION DATE
	MD-25-044-01	MD	12-31-06

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)
John Volz RSO

SIGNATURE
[Signature]

DATE
5/22/03

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 of 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)	SIGNATURE	DATE	TOTAL USAGE DAYS TO DATE
		John M... [Signature]	5/23/03	162

NRC FORM 241 (7-1999) PRINTED ON RECYCLED PAPER

② 5/22/03

8. Client Name and Address

a) Major Barrett Parker
Chemical-DCD
ATZT-CDC-M
320 Manscen Loop, Suite 141
Fort Leonardwood, MO 65473

b) Office of Homeland Security(ODP)
61 Responder Drive
Anniston, AL 36205

9. Physical Address of Work Location

a) CENTURION: 320 Manscen Loop, Suite 141
#000711 Fort Leonardwood, MO 65473

b) Cobra Facility
61 Responder Road
Anniston, AL 36205

000715

ACADA 24/7: 2 Essayons Dr.
#000712 Fort Leonardwood, MO 65473

ACADA: 320 Menscen Loop, Suite 141
#000713 Fort Leonardwood, MO 65473

APD 2000: Information Center, Bldg. 9000
#000714 Fort Leonardwood, MO 65473

10. Client Telephone Number

a) 573-596-0131

b) 256-847-2518

11. Work Location Telephone Number

a) 573-596-0131 ext.37105

b) 256-847-2046

12. Dates Scheduled

a) 5/26/03- 7/18/03

b) 6/15/03-9/30/03

13. Number of Work Days

a) 11 *54 days total @ 5/22*

b) 20 *108 days total @ 5/22*

17. Radioactive Material that will be Used, Tested, Installed, or Serviced

a) Centurion4813700
GID3-ACADA-PO614-2000A
ACADA24/7-10505
APD2000-2428800

b) APD2000



MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Boulevard • Baltimore MD 21230

410-537-3000 • 1-800-633-6101

Robert L. Ehrlich, Jr.
Governor

Kendj P. Philbrick
Acting Secretary

Michael S. Steele
Lt. Governor

John Volz, Radiation Safety Officer
Smith Detection-Edgewood Inc.
2202 Lakeside Boulevard
Edgewood MD 21040

MAY 14 2003

RE: Radioactive Material License #MD-25-044-01

Dear Mr. Volz:

Your requested amendment to radioactive materials license number MD-25-044-01 is enclosed. Please review it carefully to ensure that it reflects all modifications included in your facsimile received in this office on May 5, 2003.

Should you require further assistance, please contact Mr. Raymond E. Manley at (410) 537-3301. 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)537-3198.

Sincerely,

Roland G. Fletcher, Program Manager III
Radiological Health Program

^{AST}
RGF/REM/BJP/sb

Enclosures: License amendment (29)
Code (03122)



DEPARTMENT OF THE ENVIRONMENT
RADIOLOGICAL HEALTH PROGRAM
RADIOACTIVE MATERIAL LICENSE

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 force and to any conditions specified below.

1. Name: **Smith Detection-Edgewood Inc.**
 2. Address: **2202 Lakeside BLVD**
Edgewood, Maryland 21040

3. License No.: **MD-25-044-01**
 4. Amendment No.: **29 Code (03122)**
 5. Expiration Date: **December 31, 2006**

6. Radioactive material (element and mass number)

A. Nickel-63

B. Nickel-63

C. Nickel-63

7. Chemical and/or physical form

A. Foils (#NBC.13, NBC.14, NBC. 11, IPL NEN NER 004) and electroplated device6 IPL NEN or Amersham per ETG Part #5-15-11143)

B. Beta ionizing ring source per U.S. Army Drawing #4D/442-4 16 NEN NER-004R, Amersham #NBCD)

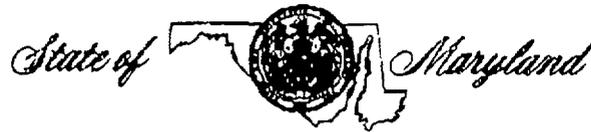
C. Sealed sources: IPL NER 004R, Amersham NBC, NBCQ8681, Nuclear Radiation Development, Inc (NRD) model N1001

8. Maximum amount of activity which licensee may possess at any one time

A. No source to exceed 25 millicuries. Total possession 3 Curies.

B. No source to exceed 15 millicuries. Total possession 45 Curies.

C. No source to exceed 15 millicuries. Total possession 60 Curies.



DEPARTMENT OF THE ENVIRONMENT
RADIOLOGICAL HEALTH PROGRAM
RADIOACTIVE MATERIAL LICENSE

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License Number: MD-25-044-01

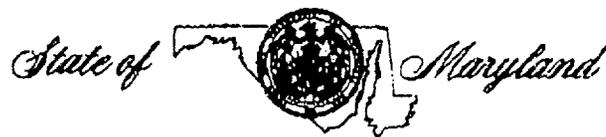
Amendment Number: 29 Code 03122

9. Authorized Use(s):

- A. For use in development of analytic instruments for atmospheric contamination monitoring.
- B. For use in manufacturing and distribution of analytical instruments to specifically licensed recipients.
- C. For use in manufacturing and distribution of Smiths Detection Models CAM (2429200), ICAM (2429201), CAM2 (0482-0301R), ICAM -APD (2427601), Fixed site CW detector (2429131), APD 2000 (2428800-10, -20 and -30), M43-APD (2428980), CAM 1.5, OTTO-2 (0603-0001), GID-2A (0482-0301R), GID-3/M22/ACADA (P0614-2000A), GID-3 24/7 (10505), ECAM (1035-5725), Sabre 2000 (4811500), Ionscan 400B, Sentinel II (4814000), Centurion (4813700), and MCAD (P05284) chemical warfare agent detector systems, under COMAR 26.12.01.01 Section C.28(d) to generally licensed recipients under C.22(d).

LICENSE CONDITIONS

- 10. The authorized place of use is the licensee's address stated in Item 2 with use, demonstration, and repair at temporary job sites throughout the State of Maryland. The licensee must notify the Radiological Health Program 30 days prior to vacating a permanent use address as is required by Section 3.1 301 of COMAR 26.12.01.01.
- 11.A. The radiation protection program shall be under the supervision of John Volz assisted by Amy Sadera
- 11.B. Radioactive material shall be used by, or under the supervision of John Volz, Ali Kcrem. or Amy Sadera.
- 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.



DEPARTMENT OF THE ENVIRONMENT
RADIOLOGICAL HEALTH PROGRAM
RADIOACTIVE MATERIAL LICENSE

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License Number: MD-25-044-01

Amendment Number: 29 Code 03122

LICENSE CONDITIONS, CONTINUED

- 13C. Records of leak tests shall be kept in units of microcuries and maintained for inspection by the Department
- 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, 1800 Washington Blvd Baltimore, Maryland 21230, describing the equipment involved, the test results, and the corrective action taken.
- t 3E. 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. 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.
15. The licensee shall report to the Department all transfers of the devices distributed under this license to persons generally licensed under Section C.22(d). Such report shall identify each general licensee by name and address, the type of device transferred, the quantity and type of radioactive material contained in the device, and specific location where each device is installed. The report shall be submitted within 30 days after the end of each calendar quarter in which any such device is transferred to a generally licensed person.
16. The licensee shall test each device distributed under this license for leakage or contamination of radioactive material and proper operation of the "on-off" mechanism and indicator, if any, at the time of installation of the device.



DEPARTMENT OF THE ENVIRONMENT
RADIOLOGICAL HEALTH PROGRAM
RADIOACTIVE MATERIAL LICENSE

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License Number: MD-25-044-01

Amendment Number: 29 Code 03122

LICENSE CONDITIONS, CONTINUED

- 17A. The licensee shall not make any false statement, representation, or certification in my 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.
- 17B. 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.
18. Conditions for working at temporary job sites are:
- A. The work area is to be controlled by limiting access only to authorized personnel and Radioactive Materials signs are to be posted in the work area
 - B. Work will be done only by trained Smiths Detection personnel.
 - C. The work will consist of refurbish, replace, or repair of component items, assemblies, subassemblies, modules and pieces, not to include opening the IMS Cell containing the radioactive source.
 - D. A leak test will be conducted and approved before final release of the equipment to the user.
 - E. When the work is performed at temporary job sites, all devices will remain in the user's possession at all times.



License Number: MD-25-044-01

Amendment Number: 29 Code 03122

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:

- Renewal application dated August 26, 1997,
- Letter dated January 20, 1998,
- March 15, 1998,
- Map 27, 1999,
- October 22, 1999,
- Letter with attachments dated April 10, 2000
- Letter dated April 25, 2000, with attached Army maintenance manual TM 3-6665-321-30& P
- letter with attachments dated May 10, 2000
- Letter with attachments dated September 26, 2001, updating the radiation safety program, removing Daniel Lumpkins as a user, and adding IPL to NEN source identifications.
- 3 Letter dated February 12, 2002, changing location of use.
- Letter with attachments dated September 23, 2002, updating Radiation Materials Code of Practice,
- 3 Letter dated November 11, 2002, changing the reading of 9E
- 3 Letter dated April 16, 2003
- Facsimile dated May 5, 2003

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

Roland G. Fletcher
Radiological Health Program Manager

May 14, 2003

BJP

[Handwritten initials] 5/14/03
REM 5/14/03

smithsSmiths Detection - ETG
2202 Lakeside Boulevard
Edgewood, MD 21040**Fax**

Date: 5-22-03

TO	FROM
Fax No. 610-337-5269	Fax No. 410-510-9497
Name: Sheryl Villar	Name: John Volz
Location: US NRC Region I	Telephone: 410-510-9135
Confirm Tel: 610-337-5239	Internet: john.volz@smithsdetection.com
CC:	Pages to Follow: 9

 Urgent For Review Please Reply FYI**Ms. Villar**

Please find attached NRC form 241 for reciprocity at 2 federal locations.
My contact information is above if you need more information from me.

Best Regards

John Volz

Radiation Safety Officer

Smiths Detection Edgewood

*PCode 03122***smiths**

Smiths Detection - ETG

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