



# ARCADIS G&M

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**TELEFAX**

To:  
Sheryl Villar  
U.S. Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, PA 19406-1415

Copies:

ARCADIS G&M, Inc.  
1131 Benfield Boulevard  
Suite A  
Millersville  
Maryland 21108  
Tel 410 987 0032  
Fax 410 987 4392

ENVIRONMENTAL

Fax:  
610-337-5269

Total pages:  
8

Date:  
7 January 2002

Subject:  
Reciprocity Agreement

ARCADIS Geraghty & Miller Project No.:  
NJ000469.0002.MD004

From:  
Wade A. Sewell

Extension:

If you do not receive all pages, please call to let us know as soon as possible.

Dear Ms. Villar:

Please find the completed NRC Form 241, a copy of ARCADIS G&M's Maryland State License, and check # 30529 for \$1400 for the Licensing Fee. Please let me know if you need any additional information to expedite this request. I am sending this package (including 4 copies of the Maryland State License) to you today by Federal Express. We would like to transport the Troxler gauge form our Maryland Facility to the worksite in New Jersey on Monday, February 4, 2002. Thank you!

Sincerely,

Wade Sewell  
Radiation Safety Officer

THIS MESSAGE IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WHICH IT IS ADDRESSED AND MAY CONTAIN INFORMATION THAT IS PRIVILEGED, CONFIDENTIAL, AND EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return the original message to us at the above address via the U.S. postal service.

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 20555-0001, or by Internet e-mail to bjs1@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-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.

# 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) ARCADIS G&M, 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) 1131 Benfield Boulevard, Suite A Millersville, MD 21108	4. LICENSEE CONTACT AND TITLE Wade Sewell, Staff Scientist
	5. TELEPHONE NUMBER (Include Area Code) 410-987-0032
	6. FACSIMILE NUMBER (Include Area Code) 410-987-4392

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

- ☐ WELL LOGGING ☐ LEAK TESTING AND/OR CALIBRATIONS ☐ THERAPY/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 NJ Natural Gas 1415 Wyckoff Road Wall, NJ 07719	9. ACTUAL PHYSICAL ADDRESS OF WORK LOCATION (Street and Number or other location. Give as complete an address or directions as possible.) 145 Monmouth Avenue Long Branch, NJ 07740
	10. CLIENT TELEPHONE NUMBER (Include Area Code) 732-919-8073
	11. WORK LOCATION TELEPHONE NUMBER (Include Area Code) 732-229-8653
12. DATES SCHEDULED FROM 2/4/2002 TO 8/3/2002	13. NUMBER OF WORK DAYS 180
14. ADD	15. DELETE
16. LOCATION REFERENCE NUMBER NUMBER 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.) Portable Moisture/Density Gauge; Troxler; Model No. 3440; Am-241, 1480 megabecquerels (40mCi); Cs-137, 296 megabecquerels (8 mCi)
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-03-058-01
STATE MD
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) Wade A. Sewell, RSO	SIGNATURE 	DATE 1/3/2002
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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. Jonstra sr HP	SIGNATURE 	DATE 1/8/02	TOTAL USAGE - DAYS TO DATE
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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. This 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. In accordance with license application dated May 19, 1997, License MD-03-058-01 is hereby renewed.

<b>LICENSEE</b> 1. Name Geraghty & Miller Inc. 1131 Benfield BLVD Suite A 2. Address Millersville, Maryland 21108		3. License No. MD-03-058-01
		4. Amendment No. 05 (RENEWAL) CODE 03121
		5. Expiration Date May 31, 2003
6. Radioactive material (element and mass number)	7. Chemical and/or physical form	8. Maximum amount of radioactivity which licensee may possess at any one time
A. Cesium-137	A. Sealed Source (Troxler dwg A102112)	A. No source to exceed 10 millicuries
B. Americium-241:Be	B. Sealed Source (Troxler dwg A102451)	B. No source to exceed 50 millicuries

9. Authorized Use

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



DEPARTMENT OF THE ENVIRONMENT  
RADIOLOGICAL HEALTH PROGRAM  
RADIOACTIVE MATERIAL LICENSE

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Supplementary Sheet

License No. MD-03-058-01

Amendment No. 05

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 James A. Mitchell.
- 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 provisions of Part D, "Standards for Protection Against Radiation" and Part J, "Notices, Instructions and Reports to Workers; Inspections" of the Maryland Regulations 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.

FOR THE MARYLAND DEPARTMENT OF THE ENVIRONMENT

Date \_\_\_\_\_

RADIOLOGICAL HEALTH PROGRAM MANAGER II



DEPARTMENT OF THE ENVIRONMENT  
RADIOLOGICAL HEALTH PROGRAM  
RADIOACTIVE MATERIAL LICENSE

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Supplementary Sheet

License No. MD-03-058-01	Amendment No. 05
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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, 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. Sealed sources containing radioactive material shall not be opened or removed from their respective source holders by the licensee.
15. Maintenance and repair of devices containing radioactive material and installation, replacement, and disposal of sealed sources shall be performed by Troxler or by other persons specifically authorized by the Department, the U.S. Nuclear Regulatory Commission or another Agreement State to perform such services.
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.

FOR THE MARYLAND DEPARTMENT OF THE ENVIRONMENT

Date \_\_\_\_\_

RADIOLOGICAL HEALTH PROGRAM MANAGER II



DEPARTMENT OF THE ENVIRONMENT  
RADIOLOGICAL HEALTH PROGRAM  
RADIOACTIVE MATERIAL LICENSE

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Supplementary Sheet

License No. MD-03-058-01

Amendment No. 05

CONDITIONS CONTINUED

- 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.
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 May 19, 1997 and letter dated February 17, 1998. 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

Date April 27, 1998

RADIOLOGICAL HEALTH PROGRAM MANAGER II

NAO

MDER-L1 (supp) (11/90)

CET





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

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License No: MD-03-058-01

Amendment No.: 08

CODE 03121

ARCADIS G & M, Inc.  
1131 Benfield BLVD  
Suite A  
Millersville, Maryland 21108

In accordance with letter and attachments dated April 12, 2001, Radioactive Material License Number MD-03-058-01 is amended as follows:

**Item 1** name changed to read:

**1. Name:** ARCADIS G&M, Inc.

**Condition 11A** to read:

11A. The radiation protection program shall be under the supervision of Wade Sewell.

**Condition 19** to add Letter and attachments dated April 12, 2001.

FOR THE MARYLAND DEPARTMENT OF THE ENVIRONMENT

April 20, 2001

A handwritten signature in cursive script, reading "Roland G. Fletcher".

Roland G. Fletcher  
Radiological Health Program Manager

BJP

BJP 4/20/2001  
KSW 4/20/2001



DEPARTMENT OF THE ENVIRONMENT  
RADIOLOGICAL HEALTH PROGRAM  
RADIOACTIVE MATERIAL LICENSE

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License No: MD-03-058-01

Amendment No.: 09

CODE 03121

ARCADIS G & M, Inc.  
1131 Benfield BLVD  
Suite A  
Millersville, Maryland 21108

In accordance with letter dated April August 31, 2001, Radioactive Material License Number MD-03-058-01 is amended as follows:

Condition 19 to add letter dated August 31, 2001, authorizing frequency of change for TLD's to quarterly.

FOR THE MARYLAND DEPARTMENT OF THE ENVIRONMENT

September 17, 2001

Roland G. Fletcher  
Radiological Health Program Manager

NAO *NAO 9/17/2001*  
*Re 10/1/2001*