

NRC FORM 241 (8-2002)

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0013

EXPIRES: 08/31/2005

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

(Please read the instructions before completing this form)

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.

1. NAME OF LICENSEE (Person or firm proposing to conduct the activities described below) Capitol City Engineering, Inc.

INITIAL REVISION CLARIFICATION

3. ADDRESS OF LICENSEE (Mailing address or other location where licensee may be located) 413 W. Capitol Ave. Springfield, IL 62704

4. LICENSEE CONTACT AND TITLE Joe Olson, Vice President

5. TELEPHONE NUMBER (217) 788-8288 6. FACSIMILE NUMBER (217) 788-8296

7. ACTIVITIES TO BE CONDUCTED UNDER THE GENERAL LICENSE GIVEN IN 10 CFR 150.20 WELL LOGGING LEAK TESTING AND/OR CALIBRATIONS TELETHERAPY/IRRADIATOR SERVICE PORTABLE GAUGES OTHER (Specify) RADIOGRAPHY REGISTERED AS USER OF PACKAGING (CERTIFICATE# OF COMPLIANCE NUMBERS)

8. CLIENT NAME, ADDRESS, CITY/COUNTY, STATE, ZIP CODE H+H Construction Services 201 McCasland Ave. Carlinville, IL 62626-0348

9. ACTUAL PHYSICAL ADDRESS OF WORK LOCATION (Street and Number or other location. Give as complete an address or directions as possible.) 5263 Northrup Ave. St. Louis, MO

10. CLIENT TELEPHONE NUMBER (217) 854-3133 11. WORK LOCATION TELEPHONE NUMBER Currently no phone on-site

Table with 5 columns: 12. DATES SCHEDULED (FROM 7/30/03 TO 11/30/03), 13. NUMBER OF WORK DAYS (88), 14. ADD, 15. DELETE, 16. LOCATION REFERENCE NUMBER (000910)

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.) 1-Troxler 3400 series nuclear gauge Sealed sources: Cs-137 Am-241: Be

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 IL-02190-01 STATE IL EXPIRATION DATE 01/31/08

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.

CERTIFYING OFFICER - RBO or Management Representative (Name and Title) SIGNATURE DATE Joseph L. Olson, Vice President Joseph L. Olson 7/28/03

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 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) SIGNATURE DATE TOTAL USAGE -- DAYS TO DATE Doris E. Gonzalez/NMPA Doris E. Gonzalez 7/28/03

COPY

STATE OF ILLINOIS
DEPARTMENT OF NUCLEAR SAFETY

1035 OUTER PARK DRIVE • SPRINGFIELD, ILLINOIS 62704
217-785-9900 • 217-782-6133 (TDD)

Rod R. Blagojevich
Governor

Thomas W. Ortziger
Director

January 28, 2003

Walter E. Hale, III
Radiation Safety Officer
Capitol City Engineering, Inc.
413 West Capitol Avenue
Springfield, IL 62704

Dear Mr. Hale:

Enclosed is your Illinois Radioactive Material License Number IL-02190-01.

Please review the enclosed document carefully and be sure that you understand all conditions. You must conduct your program involving radioactive material in accordance with the conditions of your Illinois license, representations made in your license application, and Illinois regulations. Licensees authorized for the medical use of radioactive material shall comply with the technologist accreditation requirements of 32 Ill. Adm. Code 401.

You must request and obtain an appropriate amendment if you plan to make any changes in your facility or program. If applicable you will be billed in accordance with the requirements of 32 Ill. Adm. Code Part 331.120.

You will be periodically inspected by this agency. Failure to conduct your program in accordance with IDNS regulations, license conditions and representations in your license application will result in enforcement action.

Thank you for your cooperation in this matter. **When corresponding with this office, please refer to your Illinois Radioactive Material License Number and ensure that all items are submitted in duplicate.** If you have any questions or require clarification of any of the above information, please contact the Division of Radioactive Materials, Licensing Section at (217) 785-9947.

Sincerely,



Charles G. Vinson
Head of Materials Licensing
Division of Radioactive Materials

CGV:TLH:kjc

Enclosure



STATE OF ILLINOIS
DEPARTMENT OF NUCLEAR SAFETY

RADIOACTIVE MATERIAL LICENSE

DIVISION OF RADIOACTIVE MATERIALS
1035 OUTER PARK DRIVE
SPRINGFIELD, ILLINOIS 62704

Pursuant to the Illinois Radiation Protection Act and the rules and regulations in 32 Illinois Administrative Code promulgated thereunder, 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(s) listed herein; and to use such radioactive material(s) for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules, regulations and orders of the Illinois Department of Nuclear Safety now or hereafter in effect and to any conditions specified in the license. This document confirms that the licensee has registered the sources of radiation listed below in accordance with Section 2 of the Radiation Installations Act.

LICENSEE	LICENSE NUMBER	EXPIRATION DATE
Capitol City Engineering, Inc. 413 West Capitol Avenue Springfield, IL 62704	IL-02190-01	January 31, 2008
	AMENDMENT NUMBER	
	0	

Attention: Walter E. Hale, III
Radiation Safety Officer

In accordance with application dated January 8, 2003, License Number IL-02190-01 is issued as follows:

ITEM	RADIONUCLIDE	CHEMICAL and/or PHYSICAL FORM	MAXIMUM ACTIVITY* PER SOURCE	MAXIMUM POSSESSION LIMIT
A.	Cs-137	Sealed Source - Amersham Corp. Model CDCW556, capsule type XN.30, Model CDCW556, capsule type X1218, Isotope Products Model HEG-0058, capsule type 3024, Troxler Drawing #A-102112	9 mCi	36 mCi
B.	Am-241 (AmBe)	Sealed Source - Amersham Corp. Model AMNV.997, capsule type X.1, Isotope Products Model 3021 or 3027, Troxler Drawing #A-102451	44 mCi	176 mCi

AUTHORIZED USE:

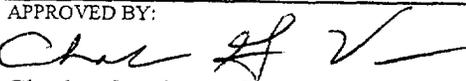
A and B For use in Troxler Electronics Model 3400 series gauges for measuring the moisture/density content of various materials.

CONDITIONS

- Radioactive material shall be stored at the licensee's facilities located at 413 West Capital Avenue, Springfield, Illinois and used at temporary jobsites of the licensee in areas not under exclusive Federal jurisdiction throughout the State of Illinois in accordance with statements, representations and procedures listed in other conditions of this license.

* μ Ci-microcurie; mCi-millicurie; Ci-Curie; MBq-Megabecquerel; GBq-Gigabecquerel; TBq-Terabecquerel; g-gram; μ g-microgram; kg-kilogram

APPROVED BY:


Charles G. Vinson, Head of Materials Licensing
IL 473-0059

DATE

January 28, 2003

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STATE OF ILLINOIS
DEPARTMENT OF NUCLEAR SAFETY
RADIOACTIVE MATERIAL LICENSE

LICENSEE	LICENSE NUMBER	AMENDMENT NUMBER	EXPIRATION DATE
Capitol City Engineering, Inc.	IL-02190-01	0	January 31, 2008

2. Radioactive material shall be used by, or under the supervision and in the physical presence of, Walter E. Hale, III or individuals who have successfully completed the manufacturer's training course or an equivalent Department approved training course. The licensee shall maintain training records of all designated users.
3. The Radiation Safety Officer for this license is Walter E. Hale, III.
4. The Radiation Safety Officer may delegate certain duties to specified individuals provided that:
 - A. The licensee maintain, for a period of 5 years, records of all individuals designated by the Radiation Safety Officer to perform duties or meet regulatory requirements that would otherwise be required as a duty of the Radiation Safety Officer. These records shall include:
 1. The name of the individual;
 2. A list of all duties the Radiation Safety Officer's designee is authorized to perform;
 3. The date upon which the designation became effective;
 4. The signature of the Radiation Safety Officer's designee; and
 5. The signature of the Radiation Safety Officer.
 - B. The Radiation Safety Officer shall review records generated by designees and the performance of designees quarterly. In addition, the licensee shall maintain for Departmental inspection for a period of 5 years, records of the quarterly reviews of records generated by designees and quarterly reviews of designee's performance. These records shall include:
 1. The date of the review;
 2. The records being reviewed and the name of the designee being reviewed;
 3. A list of all duties performed by the designee;
 4. The results of the Radiation Safety Officer's review and any corrective measures taken, if applicable, based on the review; and
 5. The signature of the Radiation Safety Officer.

* μ Ci-microcurie; mCi-millicurie; Ci-Curie; MBq-Megabecquerel; GBq-Gigabecquerel; TBq-Terabecquerel; g-gram; μ g-microgram; kg-kilogram

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STATE OF ILLINOIS
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Capitol City Engineering, Inc.	IL-02190-01	0	January 31, 2008

5.
 - A. Each sealed source possessed under this license shall be tested for leakage and/or contamination as specified in 32 Ill. Adm. Code 340.410. Tests for leakage and/or contamination shall be performed by persons specifically licensed to provide such services.
 - B. This license does not authorize analysis of leak test samples. However, the licensee is authorized to collect leak test samples for analysis by persons specifically authorized by the Department, an Agreement State, a Licensing State, or the U.S. Nuclear Regulatory Commission to perform such services.
 - C. The records of tests for leakage and/or contamination shall contain the manufacturer, model and serial number, if assigned, of each source tested, the identity of each source radionuclide, the results for each test sample expressed in Bq or mCi, the date the sample was collected, the date the sample was analyzed, the identity of the individual who collected the sample(s) and the identity of the individual who analyzed the sample(s).
6. Maintenance, repair and initial radiation monitoring of devices containing radioactive material shall be performed only by persons specifically authorized by the Department, an Agreement State, or the Nuclear Regulatory Commission to perform such services.
7.
 - A. The source holder shall be locked in the "off" or closed position when the device is not in use.
 - B. Sealed sources shall not be opened or removed from their source holders by the licensee.
8. When performing tests at temporary job sites, the authorized user shall not leave the device unattended. Upon completion of tests, the device shall be locked in the licensee's vehicle or a secure building to prevent unauthorized use, loss, or theft.
9. At any time the licensee is engaged in making measurements by authority of this license at a temporary job site, the licensee shall have a current copy of each of the following documents available at the temporary job site for inspection by the Department:
 - A. The license, including all active amendments;
 - B. The manufacturer's instruction manual for the sealed sources and devices at the temporary job site;
 - C. The licensee's emergency procedures; and
 - D. The results of the latest test for leakage and/or contamination performed on the sealed source.

* μ Ci-microcurie; mCi-millicurie; Ci-Curie; MBq-Megabecquerel; GBq-Gigabecquerel; TBq-Terabecquerel; g-gram; μ g-microgram; kg-kilogram

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STATE OF ILLINOIS
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RADIOACTIVE MATERIAL LICENSE

LICENSEE	LICENSE NUMBER	AMENDMENT NUMBER	EXPIRATION DATE
Capitol City Engineering, Inc.	IL-02190-01	0	January 31, 2008

10. The licensee shall conduct a physical inventory at intervals not to exceed six months to account for each sealed source received and possessed under the license and shall maintain a record of such inventories. The inventory records shall include the radionuclide, activity, activity assay date, manufacturer, model and serial number, the location of the sealed source, date of the inventory and the identity of the individual(s) performing the inventory. Records of inventories shall be maintained for five years from the date of each inventory.
11. Except as specifically provided otherwise by the license, the licensee shall possess and use radioactive material described in all schedules of this license in accordance with statements, representations and procedures contained in, referenced in, or enclosed with the documents listed below. The regulations contained in 32 Ill. Adm. Code: Chapter II, Subchapters b and d shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the regulations. The most recent statements, representations and procedures listed below shall govern if they conflict with previously submitted documents.
- A. Application dated January 8, 2003.
- B. Telefacsimile received January 27, 2003.

CGV:TLH

* μ Ci-microcurie; mCi-millicurie; Ci-Curie; MBq-Megabecquerel; GBq-Gigabecquerel; TBq-Terabecquerel; g-gram; μ g-microgram; kg-kilogram

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