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James Oliver Curwood's Castle, located  
in Owosso.

# Owosso

*A City with Tradition, Charm and Sparkling Vitality*

CITY HALL

• OWOSSO, MICHIGAN 48867 •

TELEPHONE 723-8844  
723-8844

July 21, 1980

John W. Cooper, Ph. D., Chief  
Regional Licensing Section  
Material Licensing Branch  
Division of Fuel Cycle and Material Safety  
United States Nuclear Regulatory Commission  
Region III  
799 Roosevelt Road  
Glen Ellyn, Illinois, 60137

Dear Mr. Cooper:

RE: Control No. 03430

Please find enclosed the signed application and the prescribed duties of the radiation officer. I would like you to use this letter as confirmation that all the individuals listed as users in the application have taken the manufacturer's training course on April 12, 1980.

Our procedure instruction strictly prohibits any dismantling of the gauge by the user. All maintenance work shall be done by the manufacturer.

A leak test will be performed every six (6) months and a record kept of the results of the test we get back from Troxler. We will use a Troxler Type 3880 Leak Test Kit to make the leak test. The procedures outlined in the instruction manual for the 3400 B Series Troxler Moisture-Density gauge will be followed to the letter.

We will appreciate a thorough but speedy review of this application.

Sincerely,

*Ronald Baker*

Ronald Baker, P.E.  
City Engineer  
Radiation Officer

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enclosure

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JUL 23 1980

## RADIATION PROTECTION OFFICER

The radiation protection officer is expected to coordinate the safe use of nuclear gauging devices and ensure compliance with the requirements of Title 10, Code of Federal Regulations, Parts 19, 20, 30, 71 and applicable Department of Transportation regulations. Typical duties of the radiation safety officer will include:

- (a) To assure that byproduct materials possessed under the license conform to the materials listed on the license.
- (b) To assure that use of the devices, particularly in the field, is only by individuals authorized by the license.
- (c) To assure that all users wear personnel monitoring equipment such as film badges or thermoluminescence dosimeters (TLD), when required.
- (d) To assure that gauges are properly secured against unauthorized removal at all times when they are not in use.
- (e) To serve as a point of contact and give assistance in case of emergency (gauge damage in the field, fire, theft, etc.) to assure that proper authorities, for example, NRC, local police, and State personnel, are notified promptly in case of accident or damage to gauges.
- (f) To assure that the terms and conditions of the license, such as periodic leak tests, are met and that the required records, such as personnel exposure records, leak test records, etc., are periodically reviewed for compliance with Nuclear Regulatory Commission regulations, requirements and license conditions.

# INFORMATION REQUIRED FOR ITEMS 15, 16 AND 17

Describe in detail the information required for Items 15, 16 and 17. Begin each item on a separate page and key to the application as follows:

15. **RADIATION PROTECTION PROGRAM.** Describe the radiation protection program as appropriate for the material to be used including the duties and responsibilities of the Radiation Protection Officer, control measures, bioassay procedures (if needed), day-to-day general safety instruction to be followed, etc. If the application is for sealed source's also submit leak testing procedures, or if leak testing will be performed using a leak test kit, specify manufacturer and model number of the leak test kit.
16. **FORMAL TRAINING IN RADIATION SAFETY.** Attach a resume for each individual named in Items 6 and 7. Describe individual's formal training in the following areas where applicable. Include the name of person or institution providing the training, duration of training, when training was received, etc.
  - a. Principles and practices of radiation protection.
  - b. Radioactivity measurement standardization and monitoring techniques and instruments.
  - c. Mathematics and calculations basic to the use and measurement of radioactivity.
  - d. Biological effects of radiation.
17. **EXPERIENCE.** Attach a resume for each individual named in Items 6 and 7. Describe individual's work experience with radiation, including where experience was obtained. Work experience or on-the-job training should be commensurate with the proposed use. Include list of radioisotopes and maximum activity of each used.

## 18. CERTIFICATE

(This item must be completed by applicant)

The applicant and any official executing this certificate on behalf of the applicant named in Item 2, certify that this application is prepared in conformity with Title 10, Code of Federal Regulations, Part 30, and that all information contained herein, including any supplements attached hereto, is true and correct to the best of our knowledge and belief.

**WARNING.**—18 U.S.C., Section 1001; Act of June 25, 1948; 62 Stat. 749; 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.

<p>a. LICENSE FEE REQUIRED (See Section 170.31, 10 CFR 170.31) Application: \$110.00 Renewal: 110.00 Amendment: \$40</p>	<p>b. CERTIFYING OFFICIAL (Signature) <i>Ronald Baker</i> c. NAME (Type or print) Ronald Baker</p>
<p>(1) LICENSE FEE CATEGORY Category 3.L</p>	<p>d. TITLE City Engineer</p>
<p>(2) LICENSE FEE ENCLOSED: \$ 110.00</p>	<p>e. DATE April 28, 1980</p>