

11-24-2010

DATE

This is to acknowledge the receipt of your letter/application dated 11-12-2010, and to inform you that the initial processing, which includes an administrative review, has been performed.

There were no administrative omissions. Your application will be assigned to a technical reviewer. Please note that the technical review may identify other omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card:

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The action you requested is normally processed within 90 days.

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 573918.  
When calling to inquire about this action, please refer to this mail control number.  
You may call me at 817-860-8103.

Sincerely,



Licensing Assistant

September 13, 2010

DNMS

Nuclear Regulatory Commission  
Region IV, Office of Materials Licensing  
611 Ryan Plaza Dr, Suite 400  
Arlington, TX 76011-4005

RE: Amendment NRC License 49-27532-01  
Evanston Regional Hospital

Dear Sir or Madam:

Please consider our amendment request for radioactive material license No. 49-27532-01 at Evanston Regional Hospital. Please note the following items.

1. Please add the following consulting physicist as our Radiation Safety Officer (RSO) to our current UDRC State license in place of Ann Jones.

Adam Arndt, M.S.

Please note that Mr. Arndt is currently listed as the RSO on a equivalent Agreement State license UT 2200524 Intermountain Park City Medical Center (see attached).

**In order to provide you with information regarding our consultant Radiation Safety Officer, please note the following items.**

2. Attached is the RSO Letter of Understanding for the facility written by Executive Management to Mr. Arndt. The letter has been signed by Mr. Arndt and me. Also, a copy of the RSO authority, duties and responsibilities document has been included.
3. For the description of the control over the radiation safety programs, please see the attached RSO authority, duties and responsibilities document listed above. Mr. Arndt, the Consultant RSO, will be able to exercise his authority over authorized users when confronted with radiation safety problems that require implementation of corrective actions.
4. For the description of the relationship that will exist between the Consultant RSO and our institutions' management regarding expenditure of funds to facilitate the objectives of our RAM licensees' radiation safety programs and related regulatory requirements, please see the attached RSO

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authority, duties and responsibilities document listed above. As stated in the document, the Consultant RSO, Mr. Arndt, shall have the resources (which includes funds) to execute his authority, duties, and responsibilities over the radiation safety programs.

5. Mr. Arndt is currently the RSO at one other facility. Mr. Arndt shall, at least, visit the Nuclear Medicine Department at Evanston Regional Hospital on a quarterly basis to review the Radiation Protection Program and to ensure compliance with UDRC/NRC regulations. The Consultant RSO will be available and on-site when necessary.
6. Jon Sigurdson the radiology manager will serve as the point of contact during the RSO's absence.
7. The Consultant RSO's overall availability to respond to questions or operational issues that arise during the conduct of Evanston Regional Hospital's radiation safety program and related regulatory requirements will be 24 hours per day, 7 days per week. Medical Physics Consultants, Inc., Mr. Arndt's employer, has an 800 number through which he can be contacted at any time. Part of the consultant RSO agreement with MPC includes unlimited phone consultation to address any operational issues or questions. The maximum amount of time that it could take the Consultant RSO to arrive at the facility in case of an emergency requiring his presence is 24 hours. Since Mr. Arndt lives in Salt Lake City, UT which is close proximity to our facility and works mainly in Utah, it would typically take him much less than 24 hours to respond. By the end of most work days, Mr. Arndt returns to his home in Salt Lake and would be able to provide immediate emergency response. The only exceptions to this immediate response would be when his consulting duties or a vacation trip takes him out of town.

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Please contact our consulting physicist/RSO, Adam Arndt, at 800-321-2207 or Anthony Montoya at (307) 789-3636, if you require additional information or have questions concerning the application. Thank you for your cooperation and attention in this matter.

Sincerely,



George Winn  
Chief Executive Officer

<b>5 RADIATION SAFETY OFFICER</b>
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**AUTHORITY, DUTIES AND RESPONSIBILITIES**

The Radiation Safety Officer (RSO) shall:

1. Have the authority to implement the Radiation Protection Program as referenced in 10 CFR 20.1101.
2. Have the authority, organizational freedom, time, resources, and management prerogative to:
  - a. Identify radiation safety problems;
  - b. Initiate, recommend or provide corrective actions,
  - c. Stop unsafe operations; and,
  - d. Verify implementation of corrective actions.
3. Investigate deviations from the radiation safety practices approved by facility management and/or the Radiation Safety Committee, if applicable.
4. Collect in a centralized location, executive management approved procedures that can include policy and technical issues which, would makeup the Radiation Protection Program as follows:
  - a. Authorization for the purchase of radioactive material.
  - b. Receipt and opening of packages containing radioactive material.
  - c. Storage of radioactive material.
  - d. Inventory control of radioactive material.
  - e. Safe use of radioactive material.
  - f. Emergency procedures in the event of loss, theft, etc.
  - g. Periodic radiation surveys and wipe tests
  - h. Checks of radiation survey and other radiation safety instruments.
  - i. Disposal of radioactive material.

- j. Personnel training of those who work in or frequent areas of radioactive material use or storage.
5. Oversee a record system of the Radiation Protection Program per 10 CFR 20.2102 to include at least the following:
- Audits and other reviews of the Radiation Protection Program content and implementation for a period of three (3) years after the record is made.
- The provisions of the Radiation Protection Program until the license is terminated by the NRC such as:
- a. All records, reports, written policies and procedures required by regulatory agencies concerning radioactive material.
  - b. A copy of the regulations governing the possession, use and disposal of licensed material, such as Title 10 Code of Federal Regulations.
6. Periodically evaluate “action levels” for continued appropriateness to ensure compliance with 10 CFR 20.1501 and 1502 for the following:
- a. Personnel exposure investigation levels
  - b. Area surveys, dose rates, wipe tests and contamination levels
  - c. Bioassays, if necessary
  - d. Radioactive effluent concentrations, if necessary
7. Review the following Radiation Protection Program records, if applicable:
- a. Sealed source inventories
  - b. Sealed source leak tests
  - c. Dose calibrator linearity tests
  - d. Dose calibrator accuracy tests
  - e. Dose calibrator geometrical variation tests
  - f. Occupational radiation exposure reports
  - g. Medical event documentation
  - h. Spill / incident reports for cause and corrective action

- i. Dose rate surveys and contamination wipe results
  - j. Changes in the radiation safety program
8. Ensure the use of reasonable practices and controls to strive to maintain doses to workers and to the public are ALARA, in compliance with 10 CFR 20.1101(b).
  9. Review with facility management at least annually of the content of the Radiation Protection Program and determine if the written program is being implemented in compliance with 10 CFR 20.1101(c).
  10. Ensure as a part of the ALARA effort that individual members of the public shall not receive a Total Effective Dose Equivalent (TEDE) of more than 10 mrem (0.1 mSv) per year from airborne radioactive material releases as per 10 CFR 20.1101(d) as necessary.
  11. Be a member of the Radiation Safety Committee (RSC), if applicable, that will oversee all uses of Radioactive Material permitted by the license as per 10 CFR 35.24(f).

BETWEEN:

Accounts Receivable/Payable  
and  
Regional Licensing Branches

[ FOR ARPB USE ]  
INFORMATION FROM LTS

Program Code: 02121  
Status Code: Pending Amendment  
Fee Category: 7C  
Exp. Date:  
Fee Comments:  
Decom Fin Assur Req: N

### License Fee Worksheet - License Fee Transmittal

#### A. REGION

##### 1. APPLICATION ATTACHED

Applicant/Licensee: EVANSTON HOSPITAL CORPORATION  
Received Date: 11/12/2010  
Docket Number: 3033981  
Mail Control Number: 573918  
License Number: 49-27532-01  
Action Type: ~~New License, new licensee~~ *Amendment*

##### 2. FEE ATTACHED

Amount: \_\_\_\_\_  
Check No.: \_\_\_\_\_

##### 3. COMMENTS

Signed: *Colleen Murnahan*  
Date: *11-17-2010*

#### B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered / / )

1. Fee Category and Amount: \_\_\_\_\_

##### 2. Correct Fee Paid. Application may be processed for:

Amendment: \_\_\_\_\_  
Renewal: \_\_\_\_\_  
License: \_\_\_\_\_

3. OTHER \_\_\_\_\_  
\_\_\_\_\_

Signed: \_\_\_\_\_  
Date: \_\_\_\_\_

