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November 20, 2015

US NRC
Michelle Simmons

RE: Mail Control 586948

NRC:

To address your e-mail dated November 17, 2015, Siouxland Urology Center makes the following commitments related to our NRC license number 40-34223-01:

- a. Radiation monitoring equipment will be calibrated by a person qualified to perform survey meter calibrations.
- b. We reserve the right to upgrade our survey instruments as necessary as long as they are adequate to measure the type of level of radiation for which they are used.

Yesterday, I faxed a description of the equipment that will be used to perform required surveys. The equipment is a Ludlum Model 14C Survey Meter. In addition, I faxed a copy of policies that addressed our handling of radioactive seeds and our policy for handling an emergency.

Please let me know if more information is needed.

Sincerely,

A handwritten signature in black ink, appearing to read "G. Haar", written over a horizontal line.

Greg Haar
Administrator

Cheryl Porter

From: Greg Haar
Sent: Tuesday, November 17, 2015 4:43 PM
To: Cheryl Porter
Subject: FW: Renewal Application Siouxland Urology Center, LLC: Deficiency Letter

From: Simmons, Michelle [mailto:Michelle.Simmons@nrc.gov]
Sent: Tuesday, November 17, 2015 3:05 PM
To: Greg Haar <ghaar@siouxlandurology.com>
Subject: Renewal Application Siouxland Urology Center, LLC: Deficiency Letter

Docket No.: 030-36922
License No. : 40-34223-01
Mail Control No.: 586948

This is in reference to the application dated May 20, 2015, requesting the renewal of NRC license number 40-34223-01. In order to continue our review, we need the following additional information.

1. Please make the following commitments:
 - a. Radiation monitoring equipment will be calibrated by a person qualified to perform survey meter calibrations
 - b. We reserve the right to upgrade our survey instruments as necessary as long as they are adequate to measure the type of level of radiation for which they are used.
2. Please provide the following information:
 - a. A description of the instrumentation (e.g., gamma counter, solid state detector, portable or stationary count rate meter, portable or stationary dose rate or exposure rate meter, single or multichannel analyzer, liquid scintillation counter, proportional counter) that **will** be used to perform required surveys.
 - b. A description of the emergency response equipment.
 - c. Your emergency response procedures.

Please provide this information by **November 23, 2015**. You may fax your signed response to 817-200-1263, referencing mail control 586948. When you send the fax, you may wish to leave a voicemail or e-mail message to alert me to look for it. If you are submitting your response by email, the response must be submitted in pdf format. Please send me an e-mail or call me at 817-200-1590 if you have any questions.

Michelle Simmons
Health Physicist
US NRC
1600 East Lamar Blvd.
Arlington, Texas 76011
817-200-1590

See Attachment
Shirley Ann
Administrative
11/18/15

AC # 24
POLICY #

**SIOUXLAND UROLOGY CENTER
Dakota Dunes, SD**

CORE MEASURE: RADIATION ONCOLOGY TREATMENT SERVICES

SUBJECT: RADIATION SAFETY BRACHYTHERAPY IODINE—125 OR PALLADIUM—103

POLICY

PURPOSE

To ensure that the entire process for handling I—125 or Pd—103 throughout the acute care continuum poses no risk to the patients, visitors and / or employees of exposure to radiation

PROCEDURE

1. Iodine or Palladium seeds are received in Nuclear Medicine, documented and secured within that department by appropriately trained personnel until just prior to use.
2. Iodine or Palladium seeds are removed from the storage area by nursing personnel and released to only a qualified Radiation Oncologist, Radiation Physicist or Nuclear Medicine Technician who transports them to the operating room prior to the procedure, maintaining safety of patients and staff. The return of seeds following the procedure is also the responsibility of one (1) of these individuals.
3. The Radiation Oncologist, Physicist or an appropriately trained nurse evaluates for contamination to:
 - A. The operating room during the performance of the implantation procedure.
 - B. The operating room following completion of the implantation procedure, instrumentation, all linen, urine, trash, etc.
4. The Nuclear Medicine staff or appropriately trained nursing personnel evaluates for contamination to:
 - A. The PACU and any patient rooms occupied by the patient, all linens, urine, trash, etc., following the discharge of the patient.
 - B. The patient room is released for occupancy after completion of evaluation and documentation of survey.

AC # 24
POLICY #

**SIOUXLAND UROLOGY CENTER
Dakota Dunes, SD**

CORE MEASURE: RADIATION ONCOLOGY TREATMENT SERVICES

**SUBJECT: DECONTAMINATION OF RADIOACTIVE SEALED SOURCE RUPTURE I—125 OR
PD—103**

POLICY

PURPOSE

To establish emergency measures to be taken if a disruption of a sealed source occurs, or if potentially hazardous quantities of radioactive dusts, mists, fumes, organic vapors or gases are introduced into the air

PROCEDURE

1. No immediate attempts should be made to clean up the spill.
2. All windows should be closed, fans, air conditioners should be shut off, and everyone should leave the room.
3. The door and all other openings leading into the room should be sealed with side masking tape and heavy wrapping paper.
4. Restricting the movements of potentially contaminated persons to a local zone just outside the spill area until the extent of shoe and clothing contamination can be ascertained. This can diminish the spread of radioactive contamination. The Radiation Health Physicist will use a radiation detection device to determine the extent of the contamination.
5. Decontamination shall be accomplished by the approved user or by laboratory personnel under the direction of the Radiation Safety Officer.
6. Decontamination of any area shall be accomplished by working from outer edges towards the center.
7. Make sure of protective clothing, etc., outside of a designated change area.
8. Handle all equipment used in decontamination and all run-off solutions as ones that are potentially contaminated.
9. Have all necessary collection receptacles brought to area to dispose of contaminated articles.
10. Personnel considered contaminated should have a Thyroid Scan.
11. The area of contamination must be declared clean by Radiation Safety Officer.

AC # 24
POLICY #

SIOUXLAND UROLOGY CENTER
Dakota Dunes, SD

CORE MEASURE: RADIATION ONCOLOGY TREATMENT SERVICES

SUBJECT: POST—OPERATIVE MANAGEMENT OF SEED IMPLANTATION PATIENTS

POLICY

PURPOSE

To outline the post—operative environment management for seed implantation patients

PROCEDURE

1. The patient / patient bay will be surveyed in PACU with a radiation detection device prior to disposal of patient linens, trash, foley catheter and cleaning of the stretcher. PACU RN will notify Radiation Oncology or Nuclear Medicine to scan the area.
2. The PACU RN will maintain a safe distance from the patient's pelvis when not performing patient assessments and / or treatment. Standing at the patient's head or foot is considered a safe distance. If pelvis is up, i.e., head of bed elevated fifty (50) degrees or more, stand at the foot of the bed. Documentation of assessment / treatments will be performed away from the patient's pelvis.
3. All urinary output will be saved for the duration of the patient's stay at Siouxland Urology Center.
 - A. All urine collected during the PACU course will remain in the foley catheter drainage bag. If PACU must empty the urine bag, obtain a twenty—four (24) hour urine collection container from lab, empty the urine bag and send twenty—four (24) hour urine collection container home with the patient.
 - B. In the rare instance a patient is admitted for an unrelated problem following brachytherapy, the nursing area that is caring for the patient, will collect all urine utilizing a twenty—four (24) collection container. The containers are to remain in the patient's room until the room is released by Nuclear Medicine.
4. An order shall be obtained to "Survey Inpatient Room after Discharge"
 - A. Nuclear Medicine will respond to perform a room survey as soon as possible, schedule permitting.
 - B. All trash, linen, etc., will remain in the patient's room until Nuclear Medicine has completed the survey.
 - C. Nuclear Medicine representative will transport the urine specimen back to the department.
 - D. Environmental Services will be notified to clean the patient room ONLY after the survey is complete.