

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Washington University in St. Louis Barnes-Jewish Hospital St. Louis, MO 63110 REPORT NUMBER(S) 13-001		2. NRC/REGIONAL OFFICE Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352	
3. DOCKET NUMBER(S) 030-02271	4. LICENSE NUMBER(S) 24-00167-11	5. DATE(S) OF INSPECTION 7/29 & 31/13	

LICENSEE:

The inspection was an examination of the activities conducted under your license as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector. The inspection findings are as follows:

- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, to exercise discretion, were satisfied.

_____ Non-cited violation(s) were discussed involving the following requirement(s):

- 4. During this inspection, certain of your activities, as described below and/or attached, were in violation of NRC requirements and are being cited in accordance with NRC Enforcement Policy. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.
(Violations and Corrective Actions)

Statement of Corrective Actions

I hereby state that, within 30 days, the actions described by me to the Inspector will be taken to correct the violations identified. This statement of corrective actions is made in accordance with the requirements of 10 CFR 2.201 (corrective steps already taken, corrective steps which will be taken, date when full compliance will be achieved). I understand that no further written response to NRC will be required, unless specifically requested.

TITLE	PRINTED NAME	SIGNATURE	DATE
LICENSEE'S REPRESENTATIVE			
NRC INSPECTOR	Robert G. Gattone, Jr. / Ryan J. Craffey	<i>Robert G. Gattone, Jr. / Robert G. Gattone, Jr. for R.C.</i>	8/14/13
BRANCH CHIEF	Aaron T. McCraw	<i>[Signature]</i>	8/16/13

Docket File Information
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6. INSPECTION PROCEDURES USED 87134 and TI 2800/038	7. INSPECTION FOCUS AREAS 03.01, 03.02, and 03.05
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SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 02110	2. PRIORITY 2	3. LICENSEE CONTACT Susan Langhorst, RSO	4. TELEPHONE NUMBER (314) 362-2988
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Main Office Inspection Next Inspection Date: No change

Field Office Inspection _____

Temporary Job Site Inspection _____

PROGRAM SCOPE

This licensee is a broad scope medical institution authorized to possess and use, in part, cobalt-60 sealed sources for medical use in a Leksell Gamma Gamma Knife Perfexion Gamma Stereotactic Radiosurgery unit (GSR). In addition, the licensee is authorized for storage of the GSR sources in the shipping container for source replacement. At the time of the inspection a service provider, Alpha-Omega Services, Inc. was preparing to exchange the GSR unit's cobalt-60 sealed sources. This inspection was limited to the licensee's activities associated with the GSR source exchange.

PERFORMANCE OBSERVATIONS

The inspectors: (1) observed that the new GSR sources were stored in the shipping container in the GSR vault; (2) observed leak test records for the old and new sources; (3) observed that licensee staff members near the sources donned whole body dosimeter badges; and (4) noted that the licensee conducted ambient exposure rate and removable contamination package receipt surveys of the overpack containing the new sources and the results were 8 mR/hr at the surface of the overpack and 1 disintegration per minute on the swipe sample.