NRC FORM 591M PART 1 U.S. NUCLEAR REGULATORY COMMISSION									
(07-2012) 10 CFR 2.201 SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION									
1. LICENSEE/LOCATION INSPECTED: 2. NRC/REGIONAL OFFICE									
ViewRay Incorporated Temporary Job Site at Washington University in St. Louis REPORT NUMBER(S) 2014-002			Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352						
3. DOCKET NUMBER(S) 4. LICENSE			ER(S)	5. DATE(S) OF INSPECTIO	N				
030-38654		34-35077-01		11/6/14, with in-office r through 11/25/14					
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	1. Based on the inspection findings, no violations were identified.								
2. Previous	Previous violation(s) closed.								
non-repet									
	Non-cited violation(s) were discussed involving the following requirement(s):								
cited in ac with 10 C	is inspection, certain of your activities, a ccordance with NRC Enforcement Polic FR 19.11. s and Corrective Actions)	cy. This form is a N	IOTICE OF VIOLATION, which m						
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.		Roles D. Hattone, J	h	11/25/14				
BRANCH CHIEF	Aaron T. McCraw		TML	· · · · ·	11/26/14				

U.S. NUCLEAR REGULATORY COMMISSION (07-2012) 10 CFR 2.201 Docket File Information SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION								
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REPORT NUMBER(S) 2(014-002							
3. DOCKET NUMBER(S)		4. LICENSE NUMBER(S)	5. DATE(S) OF INSPECTION				
030-38654		34-35077-01		11/6/14, with in-office review through 11/25/14				
6. INSPECTION PROCEDURE	6. INSPECTION PROCEDURES USED		7. INSPECTION FOCUS AREAS					
87126 and 87137	87126 and 87137 87126: 0301, -02, and -04 through -06 & 87137: 03.01 and 03.02							
	SUPP	LEMENTAL INSPECT	ION INFORMATION	i i i i i i i i i i i i i i i i i i i				
1. PROGRAM CODE(S)	2. PRIORITY	3. LICENSEE CONTAC	СТ	4. TELEPHONE NUMBER				
03226	2	David Breuning,	, RSO	(440) 703-3210				
Main Office Inspection Next Inspection Date: No Change								
Field Office Inspection								
✓ Temporary Job Site Inspection at Washington University in St. Louis								
		PROGRAM S	COPE					
ViewRay System (Sy instruction on the Sy commercial service; temporary job sites in	vstem); perform routi stem; possess cobalt- and install and remove NRC jurisdiction.	ine and non-routine ma 60 incident to perform ve System depleted ura The in-office review co	aintenance of the System nance of leak tests on cu anium heads. Licensed	adioactive components of the a; provide customer training and stomers' sealed sources as a activities are to be done at and conducting an exit meeting ection.				
		Performance Obse	ervations					
selected staff don dos the licensee were app calibrated instrument that was removed fro measurement of the s measure a maximum	simeter badges while ropriate and calibrat that resulted in a ma m the gantry and res ame area was simila of 5.6 millirroentger	conducting licensed a ed as required; (3) con aximum of 3.5 milliroe ting on a cradle with th r to the inspector's means per hour near the sum	ctivities; (2) observed the ducted a confirmatory s entgens per hour at the sum he shutter closed and loc asurement; (4) observed rface of the closed apert	the inspector: (1) observed that survey instruments used by urvey with an NRC-owned, urface of System head number 2 eked, and the licensee's a licensee staff member ure on System head number 2; ement of older parts of the				

(5) observed licensee mechanical engineers conduct preventive maintenance and replacement of older parts of the Multileaf Collimator (MLC) Assembly; (6) observed the licensee's Director of Control Systems enhance wire insulation connections in the MLC Control Unit; (7) noted that licensee staff used time, distance and shielding to reduce their exposure to radiation; and (8) observed that licensed activities were conducted by, or under the supervision of, authorized users.