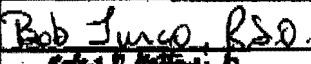
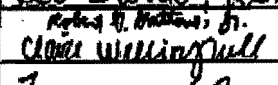



NRC FORM 591 PART 1 (10-8011) 10 CFR 2.201		U.S. NUCLEAR REGULATORY COMMISSION	
SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION			
1. LICENSEE/LOCATION INSPECTED: The Medical Physics Group, LTD. 615 S. New Ballas Road St. Louis, MO		2. NRC/REGIONAL OFFICE Region III U. S. Nuclear Regulatory Commission 2443 Warrentville Road, Suite 210 Lisle, IL 60532-4352	
REPORT NUMBER(S) 2011-001			
3. DOCKET NUMBER(S) 030-18575	4. LICENSE NUMBER(S) 24-24392-01	5. DATE(S) OF INSPECTION 9/14-15/11, in office review through 10/2/11	
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)			
1. 10 CFR 30.3 requires, in part, that except for persons exempted, no person shall possess or use byproduct material except as authorized by a specific or general license issued pursuant to Title 10, Chapter 1, Code of Federal Regulations. The Medical Physics Group, LTD.'s (licensee) specific NRC License No. 24-24392-01 (license) did not authorize possession or use of a Benchmark Model BM06-57 sealed source containing cobalt-57 nor a Benchmark Model BM06-33 sealed source containing barium-133. As of September 14, 2011, the licensee possessed and had used a Benchmark Model BM06-57 sealed source containing cobalt-57, and a Benchmark Model BM06-33 sealed source containing barium-133 for instrument calibrations without license authorization nor exemption from the requirements for a license. As immediate corrective action, the licensee submitted its license amendment request dated October 6, 2011, to add the unauthorized sources to its license. As long-term corrective action, the licensee committed to verify that its license authorizes radioactive material prior to ordering it.			
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	Bob Turco, RSO		10/14/11
NRC INSPECTORS	Robert G. Battine, Sr. Claire Wellingmuller		10/13/11 10/13/11
BRANCH CHIEF	Tamara E. Bloomer		10/15

NRC FORM 591 PART 2 (10-2011) 10 CFR 2.201		U.S. NUCLEAR REGULATORY COMMISSION	
SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION			
1. LICENSEE/LOCATION INSPECTED: The Medical Physics Group, LTD. 615 S. New Ballas Road St. Louis, MO REPORT NUMBER(S) 2011-001		2. NRC/REGIONAL OFFICE Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352	
3. DOCKET NUMBER(S) 030-18575	4. LICENSE NUMBER(S) 24-24392-01	5. DATE(S) OF INSPECTION 9/14-15/11, in office	
<p>(Continued) review through 10/11</p> <p>2. Condition 25 of the license requires, in part, that the licensee conduct its program in accordance with the statements, representations, and procedures contained in its application dated July 25, 2003. Item 10.12 of the application titled, "Area Survey Procedures" states that the area where the calibration sources are stored will be surveyed quarterly with a radiation measurement survey meter. Contrary to the license, from approximately June 2004 until September 15, 2011, the licensee conducted semi-annual surveys with a radiation measurement survey meter in areas where the calibration sources were stored. As immediate corrective action, the licensee conducted the required survey during the inspection on September 15, 2011. As long-term corrective action, the licensee committed to use a reminder system to ensure that the surveys are done quarterly unless the license is amended to authorize a different survey frequency.</p>			

NRC FORM 591M PART 3 (10-2011) 10 CFR 2.201		Docket File Information SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION		U.S. NUCLEAR REGULATORY COMMISSION		
1. LICENSEE/LOCATION INSPECTED: The Medical Physics Group, LTD. 615 S. New Ballas Road St. Louis, MO REPORT NUMBER(S) <u>2011-601</u>			2. NRC/REGIONAL OFFICE Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352			
3. DOCKET NUMBER(S) 030-18575		4. LICENSE NUMBER(S) 24-24392-01		5. DATE(S) OF INSPECTION 9/14-15/11, <i>in office</i>		
6. INSPECTION PROCEDURES USED 87126		7. INSPECTION FOCUS AREAS 02.01-02.07 <i>review through 10/2/11</i>				
SUPPLEMENTAL INSPECTION INFORMATION						
1. PROGRAM CODE(S) 03225		2. PRIORITY 5	3. LICENSEE CONTACT Bob Turco, RSO		4. TELEPHONE NUMBER (314) 260-7997	
<input checked="" type="checkbox"/> Main Office Inspection Next Inspection Date: 09/15/2016 <input type="checkbox"/> Field Office Inspection <input type="checkbox"/> Temporary Job Site Inspection						
PROGRAM SCOPE						
Two authorized users conducted dose calibrator tests and leak tests as a service for clients. Licensed activities were not conducted during the on site inspection.						
The inspectors observed: (1) that licensed material was secured in accordance with 10 CFR 20.1801; (2) that restricted areas were posted as required; (3) that, based on independent radiation surveys using the NRC's Ludlum Model 2403, Serial 16160 that was calibrated on June 14, 2011, the maximum exposure rate at the exterior surface of the source storage room walls was 0.05 millirem per hour (mR/hr), 0.7 mR/hr at the surface of a locked cabinet containing sealed sources, 1.3 mR/hr at the surface of a box containing sealed sources, and 30 mR/hr at the surface of an Amersham Model 773, Serial 397 instrument calibrator containing 140.7 millicuries of cesium-137 on July 31, 1990, in an Amersham Model 77302, Serial S720 source holder; (4) records indicating that licensed material was transferred as required; (5) that dosimetry records indicated no doses greater than 114 millirem were received by the whole body or extremities of monitored individuals between 2006 and July 1, 2011; (6) records indicating that sealed sources were inventoried and leak tested as required; (7) an authorized user demonstrate how leak tests were conducted; (8) an authorized user demonstrate how area surveys were conducted; (8) that the licensee used a Fluke Model 451, Serial 0000001405 survey instrument that was last calibrated on April 5, 2011, by an authorized firm; (9) that the licensee's survey instrument responded similarly to the NRC's survey instrument during side-by-side measurements; and (10) an authorized user demonstrate how dose calibrator accuracy testing was conducted as a service to clients.						
The in-office review included receipt and review of leak test information for a sealed source that was unavailable during the on-site inspection.						