NRC FORM 591M PART 1 (10-2003) 10 CFR 2.201			U.S. NUCLEAR REGULATORY COMMISSION				
SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION							
1. LICENSEE/LOCATION INSPECTED:			2. NRC/REGIONAL OFFICE				
Mallinckrodt Inc. St. Louis, MO 63134 Overland, MO pharmacy REPORT NUMBER(S) 2008-001			U.S. Nuclear Regulatory Commission Region III 2443 Warrenville Road Suite 210 Lisle, Illinois 60532-4351				
3. DOCKET NUMBER(4. LICENSEE NUM		5. DATE(S) OF INSE	PECTION		
030-18546		24-04206-08MD		May 23, 2008	20		
2. Previous violation 3. The violation(s), sidentified, non-repeting 1600, to exercise dis	Nuclear Regulated of selective exercises inspector. The pection findings, no n(s) closed. specifically describe itive, and corrective scretion, were satisfically describe itive.	tory Commission (NF xaminations of proces inspection findings a violations were identified. Ed to you by the inspector a action was or is being takined. In(s) was/were discussed in a cativities, as described be	(C) rules and regulation dures and representation are as follows: as non-cited violations, are ren, and the remaining criterion or the following requirements of the following requirements.	ns and the conditions of ive records, interviews not being cited because they is in the NRC Enforcement for rement(s) and Corrective Active Ac	of your license. with personnel, were self- Policy, NUREG- tion(s):		
				P	122		
Licensee's Statement of Corrective Actions for Item 4, above. 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 will be achieved). It	requirements of 10 CFR	2.201 (corrective steps alreative written response to NRC with		which will be taken,		
LICENSEE'S REPRESENTATIVE							
NRC INSPECTOR	Deborah A. Pis	kura	21.10	060	05/23/2008		

NRC FORM 591M PART 3 (10-2003) 10 CFR 2.201	Docket File	Docket File Information U.S. NUCLEAR REGULATORY COMMISSION					
SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION							
1, LICENSEE 2. NRC/REGIONAL OFFICE							
Mallinckrodt Inc.		Region III					
REPORT 2008-001 NUMBER(S)		2443 Warrenville Road, Suite 210 Lisle, IL 60532					
3. DOCKET NUMBER(S)	4. LICENSE NUMBER(S)		5. DATE(S) OF INSPECTION				
030-18546	24-04206-08MD		May 23, 2008				
6. INSPECTION PROCEDURES USED 87127	7. INSPECTION FOCUS A 03.01 - 03.08	7. INSPECTION FOCUS AREAS 03.01 - 03.08					
SUPPLEMENTAL INSPECTION INFORMATION							
1. PROGRAM CODE(S) 2. PRIO		3. LICENSEE CONTACT 4. TELEPHONE NUMBER					
02500 2	April Chance, Manag		314-654-7444.				
Main Office Ins	Main Office Inspection Next Inspection Date: May 2010						
X Field Office 1827 Belt Way Drive, Overland, MO pharmacy							
Temporary Job Site Inspection							
	PPOGPA	M SCOPE					
The Mallinckrodt St. Louis pharmacy employed 2 ANPs (currently recruiting a third ANP), 2 pharmacy technicians, and 8 drivers/couriers. The pharmacy served approximately 20 customers located in the St. Louis area and distributed approximately 200+ doses daily. The licensee received 3 Mo99/Tc99 ^m generators each week. Xenon-133 gas vials were received and re-distributed to their customers, however, the inner containers were not opened by the pharmacy. The pharmacy compounded I-131 therapy capsules at this pharmacy. Occasionally, the pharmacy prepared and distributed Sm-153, Y-90/In-111 (Zevalin), and I-131 (Bexxar) dosages. These beta doses were measured, using a correction factor, in the licensee's dose calibrator prior to transfer to the customer. The corporate office conducted semi-annual audits of the pharmacy.							
This inspection consisted of interviews with licensee personnel, a review of selected records, tour of the radiopharmacy, and independent measurements. During this inspection, the inspector observed early and midmorning runs. These observations included observing licensee personnel performing dose calibrator QC/QA tests, drawing doses, receiving packages, packaging doses for shipment and conducting surveys for compliance with NRC and DOT requirements.							
The maximum whole body and extremity exposures were reported (in millirem) as follows:							
YTD 5/04	<u>2008</u> <u>2007</u>	2006					
Whole body 17	100	118					
Extremity 2,893	7,032	6,706					