

SAFETY INSPECTION REPORT
AND COMPLIANCE INSPECTION

1. LICENSEE Mallinckrodt, Inc.		2. NRC/REGIONAL OFFICE Region III 2443 Warrenville Road, Suite 210 Lisle, IL 60532	
REPORT NUMBER(S) 2008-01			
3. DOCKET NUMBER(S) 03012559	4. LICENSE NUMBER(S) 24-17450-01	5. DATE(S) OF INSPECTION September 26, 2008	
6. INSPECTION PROCEDURES USED 87134 (9/28/05)	7. INSPECTION FOCUS AREAS 03.01-03.07		

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 03610	2. PRIORITY 3	3. LICENSEE CONTACT John Snider, RSO	4. TELEPHONE NUMBER 314-654-8563
------------------------------------	-------------------------	--	--

<input checked="" type="checkbox"/>	Main Office Inspection	Next Inspection Date: September 2011
<input type="checkbox"/>	Field Office	
<input type="checkbox"/>	Temporary Job Site Inspection	

PROGRAM SCOPE

The licensee was authorized for any byproduct material with atomic numbers 1-83 and other specified isotopes, to be used for research and development, including animal studies and instrument calibration. The majority of research involves using Mo-99/Tc-99m generators. Any *in vivo* protocols used rodents. Research protocols were restricted to one building on the Covidien campus and almost all research staff were employees with numerous years of employment with Mallinckrodt. The RSO has two additional staff who assist with ordering, receiving, dosimetry, surveys/wipe tests, and waste handling. Liquid waste was held for decay-in-storage (DIS) and then sewered. Inspector area surveys of the waste storage areas and research lab areas did not reveal any contamination or elevated readings.

Performance Observations

During the inspection, the RSO and research staff demonstrated/discussed: (1) survey meter use; (2) package ordering, receiving, and check-in procedures; (3) wipe test counting; (4) dosimetry; (5) research waste handling and storage procedures; (6) isotope inventory control; (7) security of licensed material; (8) radiation safety committee meetings, including approvals for research investigators and protocols; (9) radiation safety program audits; (10) contamination events; and (11) staff training. No violations or concerns identified during the inspection.