

Docket File Information
SAFETY INSPECTION REPORT
AND COMPLIANCE INSPECTION

1. LICENSEE Manchester College REPORT 2007-001		2. NRC/REGIONAL OFFICE Region III 2443 Warrenville Road Liste, IL 60532	
3. DOCKET NUMBER(S) 030-08302		4. LICENSE NUMBER(S) 13-00267-04	5. DATE(S) OF INSPECTION December 13, 2007
6. INSPECTION PROCEDURES USED 87126		7. INSPECTION FOCUS AREAS 03.01-03.07	
SUPPLEMENTAL INSPECTION INFORMATION			
1. PROGRAM 3620	2. PRIORITY 5	3. LICENSEE CONTACT Dwight Beery, Ph.D., RSO	4. TELEPHONE NUMBER 260-982-6021
<input checked="" type="checkbox"/> Main Office Inspection	Next Inspection Date: December 2012		
<input type="checkbox"/> Field			
<input type="checkbox"/> Temporary Job Site			

PROGRAM SCOPE

The licensee is a small liberal arts academic program with an overall enrollment of 1100 students. The program utilizes one neutron howitzer containing americium-241 for activation studies in the undergraduate physics program. The unit is located in accordance with submitted license documentation.

The licensee maintains four calibrated CDV survey instruments used during the academic year. A review of one instrument indicated adequate operation and comparison with the NRC unit.

Performance Observations

Interviews conducted during the inspection revealed that the unit is operated under the supervision and control of the RSO. Based on observations of the storage area, licensed material is adequately secured and was not readily accessible to members of the general public.

Independent measurements taken indicated a maximum reading of 6.0 mr/hr at the unit surface and 0.5 mr/hr at three feet. Unrestricted areas (wall surface) adjacent to the stored device revealed 0.15 mr/hr. Confirmatory surveys performed of previous storage area did not indicate residual contamination.