

## NOTICE OF VIOLATION

Methodist Hospital of Gary, Inc.  
Gary and Merrillville, Indiana

License No. 13-16558-01  
Docket No. 030-11234

During an NRC inspection conducted on January 17, 1997, with continued NRC in-office review through January 29, 1997, violations of NRC requirements were identified. In accordance with the "General Statement of Policy and Procedure for NRC Enforcement Actions" (Enforcement Policy), NUREG-1600 (60 FR 34381; June 30, 1995), the violations are listed below:

1. 10 CFR 35.205(b) requires that a licensee administer radioactive gases only in rooms that are at negative pressure compared to surrounding rooms.

Contrary to the above, from approximately October 5, 1993 to August 11, 1994, the licensee administered radioactive xenon-133 gas in Northlake Campus rooms 1309, 1304 and/or 1308, which were not at negative pressure compared to surrounding rooms.

This is a Severity Level IV violation (Supplement VI).

2. 10 CFR 35.50(b)(3) requires, in part, that a licensee test each dose calibrator for linearity over the range of its use between the highest dosage that will be administered to a patient and 30 microcuries.

Contrary to the above, the licensee's dose calibrator linearity test performed on February 2, 1996, covered only the range between approximately 25 millicuries and 30 microcuries. The highest dosage that the licensee administered to a patient during that calendar quarter was 150 millicuries. The licensee's dose calibrator linearity test performed on August 28, 1996, covered only the range between approximately 14 millicuries and 30 microcuries. The highest dosage that the licensee administered to a patient during that calendar quarter was approximately 20 millicuries.

This is a Severity Level IV violation (Supplement VI).

3. 10 CFR 35.50(b)(4) requires, in part, that a licensee test each dose calibrator for geometry dependence upon installation over the range of volumes and volume configurations for which it will be used.

Contrary to the above, on April 1 and April 19, 1996, the licensee did not test the dose calibrator for geometry dependence over the range of volumes and volume configurations for which it was used. Specifically, the licensee did not perform syringe geometrical dependence testing.

This is a Severity Level IV violation (Supplement VI).

Pursuant to the provisions of 10 CFR 2.201, Methodist Hospital of Gary, Inc. is hereby required to submit a written statement or explanation to the U.S. Nuclear Regulatory Commission, ATTN: Document Control Desk, Washington, D.C. 20555, with a copy to the Regional Administrator, Region III, 801 Warrenville Road, Lisle, Illinois 60532-4351 within 30 days of the date of the letter transmitting this Notice of Violation (Notice). This reply should be clearly marked as a "Reply to a Notice of Violation" and should include for each violation: (1) the reason for the violation, or, if contested, the basis for disputing the violation, (2) the corrective steps that have been taken and the results achieved, (3) the corrective steps that will be taken to avoid further violations, and (4) the date when full compliance will be achieved. Your response may reference or include previous docketed correspondence, if the correspondence adequately addresses the required response. If an adequate reply is not received within the time specified in this Notice, an order or a Demand for Information may be issued as to why the license should not be modified, suspended, or revoked, or why such other action as may be proper should not be taken. Where good cause is shown, consideration will be given to extending the response time.

Because your response will be placed in the NRC Public Document Room (PDR), to the extent possible, it should not include any personal privacy, proprietary, or safeguards information so that it can be placed in the PDR without redaction. However, if you find it necessary to include such information, you should clearly indicate the specific information that you desire not to be placed in the PDR, and provide the legal basis to support your request for withholding the information from the public.

Dated at Lisle, Illinois  
this 21th day of February 1997