



May 10, 1985

Mr. Darrel Wiedeman, Chief  
Nuclear Materials Safety Section 1  
United States Nuclear Regulatory Commission, Region III  
799 Roosevelt Road  
Glen Ellyn, IL 60137

Ref. License No. 04-19644-01

Dear Mr. Wiedeman:

A total of 46 sources of Cobalt-60, type C-188 manufactured by Atomic Energy of Canada, Ltd., were added to this facility on 4/12/85, according to License section No. 8: Source Control System. Each source activity was within the range of 4,531 Ci to 8272 Ci as of 4/12/85.

This addition brings the facility source activity to 1,321,815 Ci as of April 12, 1985. After the new sources had been distributed to the source racks, a radiation survey was conducted on 4/19/85 while the source racks were in the fully raised position.

The survey was conducted using a calibrated Xetex Model 305B digital dosimeter. Instrument readings were made on a three foot grid pattern: a) on the surface of the outside walls of the cell, b) at the maze entrance/exit of the cell, c) on the surface of the roof of the cell, d) at the water circulation lines connected to the storage pool, exiting the cell. Only those measurements exceeding 0.1 mR/hr. are reported.

- a) No reportable results were observed on the cell outside, vertical walls.
- b) No reportable results were observed at the maze entrance/exit of the cell.
- c) Measurements at the surface of the roof above the cell are shown on the attached diagram of the cell roof.
- d) No reportable results were found at the water circulation lines exiting the cell.

Sincerely,

Thomas W. Hurley  
General Manager

8604100179 860109  
PDR FDIA  
ROBINOWR5-774 PDR

FIGURE 1

RADIATION STERILIZERS INC. SCHAMBURG, IL  
RADIATION SURVEY 4-19-85

MILLIROENTGEN / HR.

