



MARYLAND DEPARTMENT OF THE ENVIRONMENT

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Parris N. Glendening
Governor

OCT 28 1999

Jane T. Nishida
Secretary

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Ralph Shuping, Sc.D., Manager Regulatory Affairs
Nucletron Corporation
7080 Columbia Gateway Drive
Columbia, Maryland 21046-2133

RE: VERSION 2 RING APPLICATORS

Dear Mr. Shuping:

This letter is pursuant to the October 27, 1999 telephone conversation between Mr. Raymond Manley of my staff and you regarding Nucletron Corporation's request to resume distribution of Ring Applicators (Standard Ring P/N 084.050 and CT/MR Ring Applicator P/N 101.035) used in conjunction with the microSelectron HDR Version 2. On June 11, 1998, Nucletron voluntarily stopped shipment of these applicators specific to concerns regarding apparent variances within the applicators, of up to 3 millimeters between marker positions and program dwell positions.

On June 11, 1999, June 17, 1999 and September 27, 1999, Nucletron submitted letters to the Maryland Department of the Environment's (MDE) Radiological Health Program (RHP) regarding the above concerns. Specifically, these letters describe remedial actions that will be taken by Version 2 users to more accurately define source positioning by (1) using a work-around solution for defining the variance in coincidence of expected position versus the program dwell position, and (2) adjusting the treatment plan and calculations accordingly.

RHP staff have reviewed the above submittals and user procedures and determined the following:

1. That the implementation of the procedures by Version 2 facilities while using the above designated ring applicators is sufficient to assure that the source positioning is found to be within $\pm$ one millimeter;
2. That Nucletron has adequately notified potential users of these procedures through Customer Information Bulletin CIB-ARD 009 dated May 4, 1999; and
3. That Nucletron has committed to the training of users of the above procedures.

I therefore, RHP has determined that upon the receipt of this letter, Nucletron may resume the distribution of Ring Applicators (Standard Ring P/N 084.050 and CT/MR Ring Applicator P/N 101.035), used in conjunction with the microSelectron HDR Version 2. Should you have any questions concerning this letter, please contact Messrs. Carl E. Trump, Jr., Raymond Manley, or me, at (410) 631-3301. You may also reach our office by dialing toll free at 1-800-633-6101 and requesting extension 3302.

Sincerely,

Carl E. Trump, Jr. Program Manager
Radioactive Material Licensing and
Compliance Division

RSM
CET/REM/cc

cc: Roland G. Fletcher
NRC-NMSS
NRC Region I