



# STATE OF CONNECTICUT

## DEPARTMENT OF PUBLIC HEALTH DIVISION OF LABORATORY SERVICES

July 9, 2008

Director, Office of Federal and State Materials and Environmental Management Programs  
Attn: GLTS  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

Re: Notice of Leaking ECDs

Dear Director:

This is to inform you that on June 17, 2008, the Connecticut Department of Public Health Laboratory was notified that two Electron Capture Detectors (ECDs), Perkin Elmer 2522 and Perkin Elmer 2521, which had been transferred for disposal to NRD, LLC, were found to have greater than 0.005 microcurie removable contamination. Our most recent wipe tests for these ECDs in November 2007 had been acceptable. We are sending separate notice that these detectors have been disposed as of July 2, 2008.

Investigation revealed that the two detectors had been removed from a Perkin Elmer gas chromatograph by a Perkin Elmer technician in May 2007, and these had then been stored in a box pending disposal. As a precaution, the gas chromatograph in which the two ECDs had been used was taken out of service, pending verification that the instrument and environs were acceptable for unrestricted use. A Geiger counter with pancake probe found no contamination. Results of two wipe tests analyzed by NRD for the gas chromatograph itself were within acceptable limits. The area has been cleared for unrestricted use.

For your records, NRD LLC holds Radioactive Materials License Number 1391-1811 from the State of New York, Department of Labor, Division of Safety and Health. Our recipient code is 708101.

Sincerely,

Carolyn Jean Webb, M.S., S.M.

Radiation Safety Officer

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cc. John Fontana, PhD (HCLD), ABB, Laboratory Director  
Robert Howard, Public Health Section Chief  
Jack Bennett, Environmental Chemistry Section Chief

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