



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION IV  
611 RYAN PLAZA DRIVE, SUITE 400  
ARLINGTON, TEXAS 76011-4005

February 27, 2004

ProTechnics Division of Core Laboratories LP  
ATTN: Will Williams  
Radiation Safety Officer  
6316 Windfern  
Houston, Texas 77040

SUBJECT: AMENDMENT TO LICENSE NO. 42-26928-01

Mr. Williams:

We are in receipt of your February 23, 2004, letter requesting that we amend the ProTechnics byproduct material License No. 42-26928-01. This letter requests that the NRC amend the license to add collar markers that are in excess of 10 CFR 30.71 Schedule B limits.

The collar markers requested are excess of the amounts authorized in 10 CFR 30.71 Schedule B. This is not an exempt quantity as envisioned in 10 CFR 39.47.

Isotope	Exempt Quantity (Microcuries)	Previous Exemption	Quantity Requested	Total Requested
Cs-137	10	50	100	???

Authorization to use radioactive markers with activities greater than those prescribed in 10 CFR 39.47 can be approved on a case-by-case basis. To approve your request, would require an exemption to NRC regulations. Please provide the following information for continued review.

1. Provide a public dose calculation, based on a worst case scenario of markers used in a routine operation using the size markers suggested, to demonstrate that a member of the public would not receive more than 100 millirem annually.
2. Supply the NRC with the registration and model numbers for the sources that are planned for use. If sealed sources are not planned, provide the suppliers name and model number of the markers that will be used.
3. Provide the NRC with an operational history of the use of these types of markers in NRC jurisdiction or in that of any Agreement State. Ensure that the information provided is for makers with quantities greater than those authorized in 10 CFR 39.47.

In order to expedite your amendment request, we request that you respond to this email by COB February 27, 2004. When responding please reference Mail Control No., Docket No., and License No.

In accordance with 10 CFR 2.790 of the NRC's "Rules of Practice," a copy of this letter, its enclosure, and your response, if you provide one, will be made available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

If you have questions concerning this letter, please contact me at 817-860-8299.

Sincerely,

Judith Walker, Health Physicist  
Nuclear Materials Licensing Branch

Docket No. 030-30429  
License No. 42-26928-01  
Mail Control No. 469935