

From: Penny Lanzisera
To: rosen@radsafe.pitt.edu
Date: Thu, Jun 23, 2005 3:23 PM
Subject: Request for Additional Information for Amendment Request
Place: LAT@nrc.gov

P-6

L.N. 37-00245-02
D.N. 030-02945
MCN 137196

This is in reference to your letter dated June 13, 2005 requesting to amend Nuclear Regulatory Commission License No. 37-00245-02. Please provide the following additional information on your requested use of an IN/US Systems Tri-Sorber Tritiation Manifold:

1. Please specify whether the depleted uranium contained in the Tri-Sorber device contains specifically licensed depleted uranium. If so, please specify your total possession limit. In addition, please note that since the Tri-Sorber is not a registered device, the tritium will be added to your license under item 6.D.
2. Provide diagrams of the facility designed for handling this tritiation device (e.g., dedicated synthesis facility with device installed in a fume hood). Include schematic descriptions of the ventilation system, with pertinent airflow rates, pressures, filtration equipment, and monitoring instruments. Diagrams should be drawn to a specified scale, or dimensions should be indicated.
3. Describe your procedures for complying with Sections 20.1203, 20.1204, 20.1302 and 20.1502 of 10 CFR Part 20, for tritium loading and tritium labeling experiments that may release gaseous radioactive materials to restricted and unrestricted areas. You should include a description of the type of surveys (e.g., environmental or breathing zone), frequency of surveys, and the individuals who will perform the surveys (e.g., radiation safety officer or investigator), and equipment to be used. If bioassay will be used for internal dose assessment, describe your bioassay program, including the type of bioassay (urine counts, etc), and the criteria and the frequency for performing bioassays.
4. Specify the criteria used to set the type and frequency at which routine surveys for airborne licensed materials are performed (e.g., breathing zone and general work area air sampling, hood and room ventilation air flow rate measurement, and stack effluent sampling). Describe the instrumentation that will be used for sample collection and analysis.
5. The possession limits requested in your licensing action require that you review your decommissioning funding plan and associated financial assurance mechanisms to assure that appropriate financial assurance in accordance with the requirements of 10 CFR 30.35 is maintained. Submit any revisions, as necessary.

Sincerely, Penny Lanzisera
Senior Health Physicist
NRC, Region I
610-337-5169

CC: LAT@nrc.gov

137196
NMSS/RQNI MATERIALS-001

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