

Response to U. S. Nuclear Regulatory Commission Demand for Information

(A) Explain how you ensure compliance with the NRC requirements applying to the possession, transfer, and disposal of tritium exit signs you have acquired. Identify and provide contact information for the individual you have appointed who is responsible for ensuring day-to-day compliance with these requirements.

The National Aeronautics and Space Administration (NASA) consists of 13 geographically separate centers and facilities across the United States, and Headquarters located in Washington, DC. The NASA Office of the Chief Health and Medical Officer (OCHMO), Occupational Health division establishes and promulgates radiological health policy for individual site implementation via NASA Procedural Requirements (NPR) 1800.1B, *NASA Occupational Health Program Procedures*. The intent of the Radiological Health requirements is to exercise centralized control over the procurement, use, storage, transportation, and disposition of ionizing and nonionizing radiation sources in order to limit the exposure of personnel, facilities, and the environment to levels of radiation that are As Low As Reasonably Achievable (ALARA). The goals of the program are to protect the health of the public, astronauts and pilots, NASA workforce and high value property and equipment so that NASA's mission may be effectively met; and to administer a program that is in compliance with all applicable Federal, state, and local regulations.

Each NASA site establishes its own site-specific radiological health procedures in accordance NPR 1800.1B requirements and has appointed individuals, typically a Radiation Safety Officer (RSO), who ensures day-to-day compliance with radiological health requirements. Many of the designated individuals are NASA contractors and listed in Table 1.

Table 1.

NASA Site	Location	Responsible Individual	Phone
Ames Research Center	Mountain View, CA 94035	P. Muldoon	(650) 604-3979
Dryden Flight Research Center	Edwards, CA 93523	J. Piatt	(661) 276-7576
Jet Propulsion Laboratory	Pasadena, CA 91109	R. King	(818) 354-5811
Johnson Space Center	Houston, TX 77058	D. Waggett	(281) 483-7084
Michoud Assembly Facility	New Orleans, LA 70189	F. Duncan	(504) 257-2539
Marshall Space Flight Center	Huntsville, AL 35812	P. Brown	(256) 544-2390
Wallops Flight Facility	Chincoteague, VA 23337	D. Simpson	(301) 286-0280
Goddard Space Flight Center	Greenbelt, MD 20771	D. Simpson	(301) 286-0280
Glenn Research Center	Cleveland, OH 44135	C. Blasio	(216) 433-6520

Mr. Guy Camomilli is the NASA Senior Environmental Health Officer overseeing radiological health issues at the agency-level. He serves as the Agency Radiation Safety Officer and functions as the liaison between the individual sites and the OCHMO for all radiological issues. His contact information is:

Mr. Guy Camomilli
Senior Environmental Health Officer
NASA Chief Health and Medical Office - Tenant Office at KSC
Mail Code AF, O&C Building, #4236
Kennedy Space Center, FL 32899

The purpose of NPR 1800.1B radiological health requirements pertains to controlling occupational radiation exposures. The direct acquisition, receipt, possession, use, and transfer of generally licensed devices such as tritium exit signs has been primarily beyond the scope of that document, except for those activities that would be related to responding to a damaged tritium exit sign incident. Tritium exit signs are managed at individual sites according to individual site-level procedures. Pre-approval by the site RSO or Radiation Safety Committee is the usual practice for purchases of radioactive material at NASA centers and facilities; however, not all sites have required that approval for tritium exit signs in the past. As a result, tritium exit signs may have been procured, installed, and removed by NASA contractors without the knowledge of the site health physics staff. NPR 1800.1 is under revision and will specifically include control of generally licensed devices including tritium exit signs.