

May 29, 2012

To: Pierre Saverot
U.S. Nuclear Regulatory Commission

From: Dennis A Russell
Chairman, Radiation Protection Committee
Boeing Radiation Effects Laboratory

Subject: Extension of Special Permit SP 14766

The Boeing Radiation Effects Laboratory possesses three Co-60 irradiators, two GammaCell's and a Shepherd 484 irradiator, totaling over 25,000 curies. The irradiators are used to simulate the natural radiation environments found in space for evaluation of electronics and materials. Our customer base includes DOD, DOE, NASA, Homeland Security as well as manufacturers of hardened electronic components. To meet industry standards, these irradiators require periodic reloading with Co-60 which is performed by J. L. Shepherd and Associates.

We hereby request that Special Permit SP 14766 possessed by J. L. Shepherd and Associates be extended until their new B(U) 650 package is approved and available. The extension will enable the irradiators to be reloaded on a timely schedule allowing completion of government programs without delays.

In addition, our irradiators may require intermediate shipments of Cobalt using the GE 1500 container. An extension of the GE authorization for Limited Shipments to the same date as the B(U) would satisfy this requirement.

Thank You
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