



## **RADCALC SOFTWARE ADVISORY**

**Issue Number:** DOE/OPT/SA-07

**Date:** July 6, 2015

### **Suspension of RADCALC 4.1**

As described in the March 31<sup>st</sup> RADCALC Safety Advisory (*Issue No. DOE/OPT/SA-06 Rev.1*), the Office of Packaging and Transportation (OPT) has been working with the Boston Government Services, LLC (BGS) to incorporate new Department of Transportation (DOT) HM-250 regulations governing the classification/shipping of radioactive materials by the required implementation date of July 13, 2015.

OPT has been working diligently to incorporate DOT (HM-250) regulatory requirements; however, OPT anticipates some delay in releasing RADCALC 4.2. Therefore, effective July 13<sup>th</sup>, RADCALC 4.1 will not be in compliance with the new DOT (HM-250) regulations governing the classification/shipping of radioactive materials.

In addition, the pedigree for the qualification of RADCALC 4.1 cannot be verified to meet DOE Order 414.1D, *Quality Assurance*, requirements. Boston Government Services is in the process of being qualified as a supplier to OPT per the Quality Assurance Order and the American Society of Mechanical Engineers Quality Standard, NQA-1-2008/2009a. Once qualified, Boston Government Services will establish the quality pedigree in the next version of RADCALC. OPT recommends that each site have a clear path forward to minimize the impacts of this delay. The sites' should strongly consider implementing the following recommendations immediately:

- Stop using RADCALC 4.1 effective July 13, 2015
- Uninstall RADCALC 4.1 software from all registered users' computers.
- Identify staff properly qualified to perform complex transport calculations to meet the transport regulations
- Utilize a rigorous and documented peer review process to assure compliance with the transport regulations
- Allow sufficient lead time for preparing shipment(s) for offsite transportation

Additional notifications concerning the release of the NQA-1 qualified RADCALC 4.2 safety software will be communicated when available.

#### **Need more information?**

If you need additional information, please contact any of the following resources;

EM-33 RADCALC Program Manager	Ashok Kapoor	<a href="mailto:ashok.kapoor@hq.doe.gov">ashok.kapoor@hq.doe.gov</a>	202-586-8307
BGS RADCALC Project Manager	Dean Newton	<a href="mailto:dnewton@bgs-llc.com">dnewton@bgs-llc.com</a>	865-332-9945
EM-43 Quality Assurance Director	Robert Murray	<a href="mailto:robert.murray@em.doe.gov">robert.murray@em.doe.gov</a>	202-586-7267
RADCALC Support	Helpdesk	<a href="mailto:radcalc@bgs-llc.com">radcalc@bgs-llc.com</a>	