As described in the March 31st 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 13th, 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 ashok.kapoor@hq.doe.gov 202-586-8307
- BGS RADCALC Project Manager: Dean Newton dnewton@bgs-llc.com 865-332-9945
- EM-43 Quality Assurance Director: Robert Murray robert.murray@em.doe.gov 202-586-7267
- RADCALC Support: Helpdesk radcalc@bgs-llc.com