

Draft PRG Calculator changes

The PRG calculator is getting complex enough to seriously consider it being a stand-alone program instead of being exclusively web based. It would be nice if it was part of the RESRAD package.

Comments draft PRG calculator changes

The What's new section and the FAQ looked OK. I only had a few comments regarding the user guide.

Userguide

a) General comment

The changes made were mostly clarifications/explanations that help the user better understand how to use the PRG calculator and the rationale behind the default inputs. The content appeared technically correct and I did not note any spelling or formatting errors.

b) 2.8 Advanced Calculator Uses (Postprocessing and Replicating Discontinued PRG Options)

This section will be beyond most users as it implies access to and knowledge of MCNP. The world of MCNP users is very small. The section is interesting, especially the discussion on replicating discontinued PRG options, and to the author's credit they do state "Please contact your EPA regional risk assessor before post processing PRG calculator results for Superfund sites," which does raise a concern of just how many at EPA are familiar with MCNP and is this capability being passed on to the next generation of workers or are they relying on a few select experienced individuals such as Stuart. It appears as if they are completely relying on Oak Ridge National Laboratory which is all the more reason to have the PRG calculator a stand-alone program.

c) 4. Land Use Descriptions, Equations, and Technical Documentation

Graphical representations

Consider removing/replacing the radioactive drum in the graphical representations found in the following sections:

- 4.2.3 Composite Worker Air
- 4.3.3 Outdoor Worker Air
- 4.5.3 Construction Worker Air
- 4.6.3 Recreator Air

Images of house construction being done where radioactive drums are buried and children in a playground playing at a site where there are buried radioactive drums could unintentionally undermine public confidence in our ability to properly cleanup and manage sites.